APPENDIX 9

PHASE 1B/2 CONSTRUCTION INSPECTION FORMS (scanned versions of inspection forms contained on attached compact disc)

Pine Street Canal Site, 1-0870-1 (541), West Bank Capping: Environmental Controls Daily Inspection Checklist 11/24/03-

| DATE: 11-24-03 INSPECTOR: D. Maynond |
|--|
| WEATHER: 40-53°F PRECIPITATION IN PREVIOUS 24 HOURS: 40 |
| WEATHER: 40-53°F PRECIPITATION IN PREVIOUS 24 HOURS: 40 WIND DIRECTION/SPEED: 15 30 uph 50 TEMPERATURE (degrees F): 40-55°F |
| PUMP ON TIME!: PUMP OFF-TIME!: PUMPING DURATION; 24 hrs |
| Canal/Lake Stage measurement time: iii : D |
| Canal Water Elevation 1,24 feet above below weir crest (96.5 ft NGVD);77.74 feet NGVD Lake Water Elevation / 16 feet above below weir crest (96.5 ft NGVD); 97.79 feet NGVD -1.42 |
| 1) Air quality: Net Apolicable No exposuse Time:; Location:; PID reading:ppmV; Background:ppmV Time:; Location:; PID reading:ppmV; Background:ppmV |
| 2) Environmental Controls: Sorbent Boom at Transect T-7: Time: 12:25; In-place ; Performing properly 5 Sediment Curtain at Canal Outlet: Time: 12:05; In-place ; Performing properly 5 Sorbent Boom at Canal Outlet: Time: 12:05; In-place ; Performing properly 5 Boom at Transect T-9+30: Time: 15:15; In-place ; Performing properly 5 Boom at Transect T-12+00: Time: 15:15; In-place ; Performing properly 6 |
| 3) Assessment of Water Quality: Morning |
| At pump discharge: Time: 10:00; sheens; 10 turbidity: 7.28 NTU Afternoon |
| At pump discharge: Time: 13:00; sheens; NO turbidity: 7.03 NTU |
| 4) Pumping Systems: Bot. Intake @ 1.5' BW5 By-Pass pump; Time: 10: 20; Suction secure; \(\subseteq \); Water Depth at Suction: \(\beta \cdot \) ft Discharge secure; \(\subseteq \) Discharge hose; leakage \(\frac{\chi \epsilon}{\rho \sigma \chi \epsilon} \); signs of wear; \(\subseteq \) couplings; \(\subseteq \) |
| 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action |
| taken (if any). 10:15-11:30 inspect conal + BASIN - NO LNAPL/SARINS EXCEPT Z' SUINDON Sheen @ TIDY50, 51 W |
| Since last inspection K:\1-0870-1\NAPL response strategy\West Bank Cap Environmental inspectionekeeklist.doc |

| DATE: //-25-03 INSPE | CTOR: \mathcal{D}_{ϵ} | Maynand | |
|--|--|---|--------------------|
| DATE: 11-25-03 INSPE WEATHER: Pently cloudy PRECIPIT | ATION IN PRI | EVIOUS 24 HOURS | 2/211 |
| WIND DIRECTION/SPEED: 15-20 mpt (| | | |
| PUMP ON-TIME ¹ : <u>B:00</u> PUMP OFF-T Pump off over portion of not Canal/Lake Stage measurement time: <u>11:05</u> Canal Water Elevation <u>1.35</u> feet above/be | TME1::_ | PUMPING DURA' FUEL | FION;hrs |
| Canal Water Elevation 1.3.5 feet above/he | 2 Iow weir crest (| 96.5 ft NGVD): <i>97</i> | 85 feet NGVD |
| Lake Water Elevation feet above/bel | ow weir crest (9 — <i>C641MX+</i> | 6.5 ft NGVD); 97 | 95 feet NGVD |
| 1) Air quality: Not AppLicable - no | exposure | | |
| Time: ; Location: | _; PID reading: | ppmV; Backgro | ound:ppmV |
| Time: ; Location: | _; PID reading: | ppmv; Backgro | ouna:ppmv |
| 2) Environmental Controls: Sorbent Boom at Transect T-7: Time: 12:00 Sediment Curtain at Canal Outlet: Time: 11:10 Sorbent Boom at Canal Outlet: Time: 11:10 Boom at Transect T-9+30: Time: 13:30; I Boom at Transect T-12+00: Time: 13:00; | : <i>05</i> ; In-place <u>/5;</u> In-place n-place | Performing progressionPerforming pPerforming prope | roperly U |
| 3) Assessment of Water Quality: | | | |
| Morning At pump discharge: Time: 1/2:05; sheens; | | | |
| At bumb discharge: Time: It IFF : sneens: | MONE | tombidien V | / NITTI |
| Afternoon | | | |
| Afternoon At pump discharge: Time: 4:30; sheens; | | | |
| Afternoon | <i>.\b\\\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i> | turbidity: | NTU ft |
| Afternoon At pump discharge: Time: 4:30; sheens; 4) Pumping Systems: By-Pass pump; Time: 1:10; Suction secure Discharge secure; Discharge hose; lead 5) Seeps, Sheens and NAPL in canal and we and offset from west bank), approximate electrical discharge secure. | re; / ; Wat kage ok ; sig | turbidity: 7, er Depth at Suction: ns of wear; <i>DK</i> co | nTU ft ouplings; |
| Afternoon At pump discharge: Time: 4:30; sheens; 4) Pumping Systems: By-Pass pump; Time: 1:10; Suction secure Discharge secure; Discharge hose; lead 5) Seeps, Sheens and NAPL in canal and we and offset from west bank), approximate electation of the security of the secu | re; / ; Wat kage ok ; sig | er Depth at Suction: ns of wear; DK co time, observation lo ion (rate, volume, ar | ft ouplings; |
| Afternoon At pump discharge: Time: 4:30; sheens; 4) Pumping Systems: By-Pass pump; Time: 1:10; Suction secure Discharge secure; Discharge hose; lead 5) Seeps, Sheens and NAPL in canal and we and offset from west bank), approximate electation of the security of the secu | re; / ; Wat kage ok ; sig | er Depth at Suction: ns of wear; DK co time, observation lo ion (rate, volume, ar | ft ouplings; |
| Afternoon At pump discharge: Time: 4:30; sheens; 4) Pumping Systems: By-Pass pump; Time: 1:10; Suction secure Discharge secure; Discharge hose; lead 5) Seeps, Sheens and NAPL in canal and we and offset from west bank), approximate electrical discharge secure. | re; / ; Wat kage ok ; sig | er Depth at Suction: ns of wear; DK co time, observation lo ion (rate, volume, ar | ft ouplings; |

since last inspection

| | DATE: 11-25-03 INSPECTOR: DIAMARD |
|----|---|
| | WEATHER: SUMMY PRECIPITATION IN PREVIOUS 24 HOURS: NO |
| | WIND DIRECTION/SPEED: 05 65F TEMPERATURE (degrees F): 40 |
| | PUMP ON-TIME ¹ : PUMP OFF-TIME ¹ : PUMPING DURATION; 24 hrs |
| -> | Canal/Lake Stage measurement time: # 30 Canal Water Elevation 1, 23 feet above/below weir crest (96.5 ft NGVD); 97.73 feet NGVD Lake Water Elevation 1, 3 feet above/below weir crest (96.5 ft NGVD); 97.8 feet NGVD |
| | 1) Air quality: |
| | 2) Environmental Controls: Sorbent Boom at Transect T-7: Time: 17: 15; In-place ; Performing properly Sediment Curtain at Canal Outlet: Time: 4:45; In-place ; Performing properly Sorbent Boom at Canal Outlet: Time: 4:45; In-place ; Performing properly Boom at Transect T-9+30: Time: 1:15; In-place ; Performing properly Boom at Transect T-12+00: Time: 15:15; In-place ; Performing properly Boom at Transect T-12+00: Time: 15:15; In-place ; Performing properly |
| - | 3) Assessment of Water Quality: Morning Red. Wash From Eff - Gliff High From At pump discharge: Time: ; sheens; turbidity: NTU Afternoon At pump discharge: Time: 4:30; sheens; MNE turbidity: 6.50 NTU |
| | 4) Pumping Systems: By-Pass pump; Time: A: A; Suction secure; ; Water Depth at Suction: |
| | 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). **THE OF THE |
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ABBRI/ATED HOLIDAY FORM PINE STREET CANAL SITE - WEST BANK CAPPING

ENVIRONMENTAL CONTROLS DAILY INSPECTION CHECKLIST

| | 1/ 22 22 |
|---|---|
| 1 | DATE: 1/-27-03 INSPECTOR: C. FARNEL |
| 1 | WEATHER: CUEATO PRECIPITATION IN PREVIOUS 24 HOURS: NO |
| | WIND DIRECTION/SPEED: NONE TEMPERATURE (degrees F): 30 |
| | PUMP ON-TIME ¹ : PUMP OFF-TIME ¹ : PUMPING DURATION; 24 hrs R |
| | Canal/Lake Stage measurement time: 7:10 Canal Water Elevation 1,17 feet above/below weir crest (96.5 ft NGVD); 97.67 feet NGVD Lake Water Elevation 1,30 feet above/below weir crest (96.5 ft NGVD); 97.80 feet NGVD |
| | 1) Air quality: Time: ; ; Location: ; PID reading: ppmV; Background: ppmV Time: ; Location: ; PID reading: ppmV; Background: ppmV |
| د | 2) Environmental Controls: Sorbent Boom at Transect T-7: Time: ; In place ; Performing properly Sediment Curtain at Canal Outlet: Time: 7:15; In-place ; Performing properly Sorbent Boom at Canal Outlet: Time: 7:15; In-place ; Performing properly Boom at Transect T-9+30: Time: ; In-place ; Performing properly Boom at Transect T-12+00: Time: ; In place ; Performing properly |
| - | 3) Assessment of Water Quality: Morning |
| | At pump discharge: Time: 7:15; sheens; NONE turbidity: 5.90 NTU |
| | Afterneon At pump discharge: Time:; sheens;turbidity:NTU |
| 1 | 4) Pumping Systems: By-Pass pump; Time: 7:30; Suction secure; ; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage ; signs of wear; couplings; |
| | 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
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| | Since last inspection VALORGO UNIARI promong etertory AWest Bank Can Bruston promote inspectional des |

ABBREV. HOLIDAY FORM

| * | DATE: 11/28/03 INSPECTOR: Rhonda Kay |
|---------|---|
| ı | WEATHER: Cloudy, 35°F PRECIPITATION IN PREVIOUS 24 HOURS: Minor or none |
| | ,,, |
| } | WIND DIRECTION/SPEED: 05 SSE TEMPERATURE (degrees F): 35° F |
| | PUMP ON-TIME ¹ : PUMP OFF-TIME ¹ : PUMPING DURATION; 24 hrs |
| | Canal/Lake Stage measurement time: 10:57 courte dut ments |
| 7 Lake | Canal Water Elevation 0.05 feet above below weir erest (96.5 ft NGVD); 97.75 feet NGVD Lake Water Elevation 0.26 feet above below weir erest (96.5 ft NGVD); 97.74 feet NGVD |
| > carri | Lake Water Elevation <u>8.26</u> feet above below weir erest (96.5 ft NGVD); <u>97.74</u> feet NGVD |
| ſ | 1) Air quality: |
| | Time: ; Location: ; PID reading: ppmV; Background: ppmV |
| | Time: ; Location: ; PID reading: ppmV, Background: ppmV |
| | |
| | 2) Environmental Controls: |
| حاد | Sorbent Boom at Transect T-7: Time: : 'In-place ; Performing properly |
| × | Sediment Curtain at Canal Outlet: Time: 10 : 55; In-place ; Performing properly yes |
| | Sorbent Boom at Canal Outlet: Time: (0 : 55; In-place; Performing properly yes |
| | Boom at Transect T-9+30: Time:: ; In-place; Performing properly |
| | Boom at Transect T-12+00: Time: ; In-place ; Performing properly |
| | 2) 4 / 2001/2001/2001/2001/2001/2001/2001/20 |
| | 3) Assessment of Water Quality: Morning |
| * | |
| | At pump discharge: Time: 10:59; sheens; 10 \(\text{10} \) turbidity: \(\frac{5.5}{10.5} \) NTU |
| | At pump discharge: Time: ; sheens; turbidity: NTU |
| | The bump choolings. Time. |
| 关 | 4) Pumping Systems: |
| | By-Pass pump; Time: 44: 03; Suction secure; / ; Water Depth at Suction: ft |
| | Discharge secure; Discharge hose; leakage we signs of wear; couplings; |
| | |
| | 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect |
| | and offset from west bank), approximate elevation, description (rate, volume, area), and action |
| | taken (if any). |
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| | DATE: 11/29/03 INSPECTOR: Rhonda Kay |
|----|---|
| | WEATHER: Cloudy PRECIPITATION IN PREVIOUS 24 HOURS: 0.43" |
| | WIND DIRECTION/SPEED: as SW TEMPERATURE (degrees F): 42° |
| | PUMP ON-TIME ¹ : PUMP OFF-TIME ¹ : PUMPING DURATION;_ <u>24</u> hrs |
| | Canal/Lake Stage measurement time: 09: 22 Canal Water Elevation 0.15 feet above/below well crest (96.5 ft NGVD); 97.95 feet NGVD Lake Water Elevation 0.09 feet above/below well crest (96.5 ft NGVD); 97.91 feet NGVD |
| | 1) Air quality: Time:; Location:; PID reading:ppmV; Background:ppmV Time:; Location:; PID reading:ppmV; Background:ppmV |
| *[| 2) Environmental Controls: Sorbent-Boom at Transect T-7/Time: (: ; kn-place / ; Performing properly / ; Sediment Curtain at Canal Outlet: Time: 04:23; In-place / ; Performing properly / ; Sorbent Boom at Canal Outlet: Time: 04:23; In-place / ; Performing properly / ; Boom at Transect T-9+30: Time: / ; In-place / ; Performing properly / ; Boom at Transect T-12+00: Time: / ; In-place / ; Performing properly |
| | 3) Assessment of Water Quality: Morning At pump discharge: Time: ; sheens; now turbidity: 7.63 NTU At pump discharge: Time: ; sheens; turbidity: NTU |
| | 4) Pumping Systems: By-Pass pump; Time: 19:29; Suction secure;; Water Depth at Suctionft Discharge secure; Discharge hose; leakage; signs of wear; couplings; |
| (| 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
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| DATE: 11/30/03 INSPECTOR: C. FARRESIL |
|---|
| WEATHER: Light shet, 35F PRECIPITATION IN PREVIOUS 24 HOURS: trace |
| WIND DIRECTION/SPEED 510 SW TEMPERATURE (degrees F): 35'F |
| PUMP ON-TIME 1: <u>arrival</u> PUMP OFF-TIME 1: <u>arrival</u> PUMPING DURATION; ? hrs |
| Canal/Lake Stage measurement time: 14:30 Canal Water Elevation 1.48 feet above/below weir crest (96.5 ft NGVD); 97.98 feet NGVD Lake Water Elevation 1.60 feet above/below weir crest (96.5 ft NGVD); 98.10 feet NGVD |
| 1) Air quality. |
| Time: ; Location: ; PID reading: ppmV; Background: ppmV Time: ; Location: ; PID reading: ppmV: Background: ppmV |
| 2) Environmental Controls: Sorbent Boom at Transect T-7: Time: ; ; In-place ; Performing properly Sediment Curtain at Canal Outlet: Time: ; ; In-place ; Performing properly Sorbent Boom at Canal Outlet: Time: ; ; In-place ; Performing properly Boom at Transect T-9+30: Time: ; ; In-place ; Performing properly Boom at Transect T-12+00: Time: ; ; In-place ; Performing properly Boom at Transect T-12+00: Time: ; ; In-place ; Performing properly |
| 3) Assessment of Water Quality: Pump off @ APRIVAL; WON'T START |
| At pump discharge: Time:; sheens; turbidity: NTU |
| Afternoon At pump discharge: Time: ; sheens; turbidity: NTU |
| 4) Pumping Systems: By-Pass pump; Time: 14:30; Suction secure; ; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage N/A; signs of wear; N/A couplings; N/A |
| 5) Seeps, Sheens and NAPL in canal and wetlands. Record time, observation location (transect |
| and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) |
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| DATE: 12-2-03 | INSPECTOR: | MAYNARD | |
|---|------------------------------|---|----------------------|
| WEATHER: OVER CAST SNOW PLUTTINGS | RECIPITATION IN | PREVIOUS 24 HOURS | : NONE |
| WIND DIRECTION/SPEED: 20 | mph west ten | IPERATURE (degrees F WATEN +emp. 33 |):20 F |
| PUMP ON-TIME : PUMP PUMP AFF 51 NCC | IP OFF-TIME1::_ | PUMPING DURAT | ΓΙΟΝ; <i>O</i> hrs |
| Canal/Lake Stage measurement tim | ne: 12:45 - 2 ET | Maves | , |
| Canal Water Elevation ~ 1.7 feet | above/below weir cr | est (96.5 ft NGVD); <u>~9</u> ; | |
| Lake Water Elevation feet a | above/below weir cre | st (96.5 ft NGVD); _ ~9 1 | 8.2 feet NGVD |
| 1) Air quality: N/A NO 0×po | sure | | |
| Time: ; Location: | ; PID read | ing: ppmV; Backgro | ound: ppmV |
| Time: ; Location: | ; PID read | ing:ppmV; Backgro | ound:ppmV |
| 2) Environmental Cantuals | | | |
| 2) Environmental Controls: Sorbent Boom at Transect T-7: Tin | ne:13 :00 : In-place | ✓ Performing pro- | nerly V |
| Sediment Curtain at Canal Outlet: | | | |
| Sorbent Boom at Canal Outlet: Tin | | | |
| Boom at Transect T-9+30: Time: | | | |
| Boom at Transect T-12+00: Time: | | | |
| 2) A (2) (2) | 44 | | |
| 3) Assessment of Water Quality: Morning | N/A pump NOT | running | |
| At pump discharge: Time::_ | : sheens: | turbidity: | NTU |
| Afternoon | ., 5 | | |
| At pump discharge: Time: : | ; sheens; | turbidity: | NTU |
| | | | |
| 4) Pumping Systems: N/A | tion comme | Water Douth at Creation. | Ω |
| By-Pass pump; Time: ; ; Suc Discharge secure; Discharge | hose: leakage | sions of wear: | Il |
| Discharge seeme,Discharge | nose, reakage, | signs of wear,eo | upmigs, |
| 5) Seeps, Sheens and NAPL in can | al and wetlands. Red | ord time, observation lo | cation (transect |
| and offset from west bank), approx | imate elevation, desc | cription (rate, volume, ar | ea), and action |
| taken (if any). | | • | |
| No sheens, oder or | NAPL IN CAN | 1AL 3 FBWS n Compl Cyrca 7 | |
| NO DNAPL O TYIT | 00 ~ 2 W 70 | 3 FBW5 | Mark of 11 |
| IL SILVEK Mappe | iproorant Fell 1. | n committee 1 | 11100,15 W. |
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| DATE: $2-303$ INSPECTOR: 0 | Mayrerol |
|--|--|
| WEATHER: My Charley PRECIPITATION IN PR | REVIOUS 24 HOURS: 1100C |
| WIND DIRECTION/SPEED: 1850 1/11 TEMP | PERATURE (degrees F): // |
| PUMP ON-TIME ¹ : PUMP OFF-TIME ¹ : : Canal/Lake Stage measurement time: 7:07 Canal Water Elevation 7:7 feet above/below weir crest Lake Water Elevation 7:7 feet above/below weir crest | PUMPING DURATION; Phrs |
| Canal Water Elevation 7 feet above/below weir crest Lake Water Elevation 7 feet above/below weir crest | (96.5 ft NGVD); feet NGVD (96.5 ft NGVD); feet NGVD |
| 1) Air quality: NA M EXPLICATION: ; PID reading Time: ; Location: ; PID reading the control of t | |
| 2) Environmental Controls: Sorbent Boom at Transect T-7: Time::; In-place Sediment Curtain at Canal Outlet: Time::; In-place Sorbent Boom at Canal Outlet: Time::; In-place Boom at Transect T-9+30: Time:: _; In-place Boom at Transect T-12+00: Time:: _; In-place | e; Performing properly; Performing properly; Performing properly |
| 3) Assessment of Water Quality: • Morning | |
| At pump discharge: Time:; sheens; | turbidity:NTU |
| At pump discharge: Time:; sheens; | turbidity:NTU |
| 4) Pumping Systems: By-Pass pump; Time:; Suction secure;; W Discharge secure; Discharge hose; leakage; si | ater Depth at Suction: ft igns of wear; couplings; |
| 5) Seeps, Sheens and NAPL in canal and wetlands. Record and offset from west bank), approximate elevation, descritaken (if any). | · |
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¹ since last inspection

| DATE: 12/4/03 INSPECTOR: | D. Mayrard |
|---|---|
| WEATHER: Clean PRECIPITATION IN P | REVIOUS 24 HOURS: 1/2 1/3 NOW |
| WIND DIRECTION/SPEED: D-5MpH-W/ TEM | PERATURE (degrees F): 25-30% |
| PUMP ON-TIME ¹ ::_ PUMP OFF-TIME ¹ ::_ | _ PUMPING DURATION; _O_hrs |
| Canal/Lake Stage measurement time: 14:20 Canal Water Elevation 1.55 feet above/below weir crest Lake Water Elevation 1.55 feet above/below weir crest | st (96.5 ft NGVD); <i>JBOS</i> feet NGVD t (96.5 ft NGVD); <i>JBOS</i> feet NGVD |
| 1) Air quality: MA NO Exposure Time:: _; Location:; PID readir Time:: _; Location:; PID readir | |
| 2) Environmental Controls: | ; Performing properly; Performing properly |
| 3) Assessment of Water Quality: N/A No pumping Morning At pump discharge: Time:; sheens; | turbidity: NTU |
| Afternoon At pump discharge: Time:; sheens; | |
| 4) Pumping Systems: | Vater Depth at Suction:ft signs of wear;couplings; |
| 5) Seeps, Sheens and NAPL in canal and wetlands. Reco and offset from west bank), approximate elevation, descr taken (if any). | • |
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PINE STREET CANAL SITE – WEST BANK CAPPING ENVIRONMENTAL CONTROLS DAILY INSPECTION CHECKLIST

| | 1 ') | | | DAILY INSPECTION | | |
|----------|------------------------|---------------------------------------|------------------------|--|----------------|------------------------------------|
| DATE: | 12 15-03 INS | PECTOR: D.MA | unard | WEAT | HER: <u>\$</u> | ow |
| PRECI | PITATION IN PREV | IOUS 24 HOURS: | 1311 540W W | IND DIRECTION/S | PEED: ///~ | ZO MOST NENTH |
| | | | | RUCTION: | | <i>p</i> |
| Ice thic | kness in Canal circa T | 19: 10 Hice+slush | _inches Sr | now depth circa T9: | 16-18 | inches |
| | | | | Point Welk and E | • - | • |
| | Vater Elevation ±0.1 | | | // / / · · · · · · · · · · · · · · · · | | |
| | | • | | | 96.5 ft NGV | D); <u>979-98./</u> ft NGVD |
| 1) Air (| quality (Active Cons | truction): | - | | | |
| Time | _:;Location: | ; PID r | eading: | ppmV; Backgi | round: | ppmV |
| Time | : ;Location: _ | ; PID r | eading: | ppmV; Backgr | round: | ppmV |
| 2) Envi | ronmental Controls | : | | | | |
| Sorbent | Boom at Transect T- | 7: SNOW | Time: | ; In-place | _; Performi | ng properly |
| | Curtain at Transect T- | 00000 | Time: <u>8:</u> | 30 ; In-place 🗸 | _; Performi | ng properly |
| Boom a | t Transect T-12+00: | snew creek | Time: | ; In-place | _; Performi | ng properly |
| Boom a | t pump intake(Active | Construction): | Time: | ; In-place | _; Performi | ng properly |
| Curtain | at Canal Outlet(Activ | ve Construction): | Time: | ; In-place | _; Performi | ng properly |
| Boom a | t Canal Outlet(Active | Construction): | Time: | ; In-place | _; Performi | ng properly |
| 3) Asse | ssment of Water Qu | ality at Pump Dis | charge (Ac | tive Construction):: | | |
| Time:_ | ; sheens; | turbid | ity: | | _NTU unac | idified /acidified |
| Time: | ; sheens; | turbid | ity: | | _NTU unac | idified/acidifed |
| 4) Pum | ping Systems: | | | | | |
| Pump o | n time:Pu | ımp off time: | _ | Pumping duration sin | ice last inspe | ection: |
| By-Pas | s pump; Time: | Suction secure | e; V | Vater Depth at Suction | n: | ft |
| Dischar | ge secure; | Discharge hose | e; leakage | ; signs of wear | :; c | ouplings; |
| 5) Seep | s, Sheens, or NAPL | in canal and wetla | ands. Reco | rd time, observation | location (t | ransect and offset from |
| west ba | ınk), approximate el | levation, description | on (rațe, vo | lume, area), and act | ion taken (i | f any). |
| N6 | NE VISIBLE Fra | m T9 East | bond | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | | |
| - | | | <u> </u> | | | |
| 6) NA | PL Pressure Relief V | Vells (Active Cons | struction): | | | |
| Well | Water level (fbtoc) | Initial DNAPL le | vel (fbtoc) | DNAPL removed (g | gal.) Final | DNAPL level (fbtoc) |
| #1 | | | | | | |
| #2 | | | | | | |
| #3 | | | " | | | - |
| 7) Wa | ter Control Structur | es at Outlet: | | I | | |
| Structu | re type (circle one): | flash boards | w | ater filled cofferdam | sa | nd berm |
| Lake si | de; Retained water de | epth:feet | Height of | structure above wate | r surface: | feet |
| | | - | - | ; Alignment | | |
| | | | | structure above wate | | |
| Seepag | e: | ; Condition; | | ; Alignment | | |

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| DATE | <u>12-23-03</u> INS | PECTOR: <u>JM</u> V | <u> </u> | W | EATHER | : 36°, cloud | 1, no wind |
|----------|------------------------------------|------------------------------------|--------------------|----------------------------|-------------|---------------------|----------------------------------|
| PRECI | PITATION IN PREV | IOUS 24 HOURS: | | | | | |
| TEMP. | ERATURE (degrees I | F): <u>35</u> ACT | IVE CONST | RUCTION: <u>N</u> | (Y/1 | N) | |
| Ice thic | kness in Canal circa | rg. 6"ice sslush | _inches Sr | ow depth circa T | Γ9: | <i>12</i> ir | iches |
| Canal S | Stage measurement tir | ne: 1 100 Canal | Reference I | oint Crist a | nd Elevat | ion <u>96.5</u> ft | NGVD |
| Canal ' | Water Elevation + 17 | " W 97.92 | ft NGVD | of weir | | | |
| Lake S | tage time: 0+00 | Lake Water _ | <u> </u> | ve/below weir cr | est (96.5 f | t NGVD); <u>9</u> ° | <u>ን.⁰.2-</u> ft NGVD |
| 1) Air | quality (Active Cons | truction): | | | | | |
| Time_ | :;Location: _ | ; PID 1 | eading: | ppmV; Ba | ckground | : r | ppmV |
| Time_ | : ;Location: _ | ; PID 1 | reading: | ppmV; Ba | ackground | : r | ppmV |
| 2) Env | ironmental Controls | : (tools) | | | | | |
| Sorben | t Boom at Transect T- | -7: Smin | | ; In-place_ | | | • - : |
| Boom/ | Curtain at Transect T- | 9+30: | Time: 8: | <u>40 ;</u> In-place_ | ; Pe | rforming prop | erly |
| Boom: | at Transect T-12+00: | Snow Cnutred | Time: | ; In-place_ | ; Pe | rforming prop | erly |
| Boom . | at pump intake(Active | Construction): | Time: | ; In-place_ | ; Pe | rforming prop | erly |
| Curtair | at Canal Outlet(Acti | ve Construction): | Time: | ; In-place_ | ; Pe | rforming prop | erly |
| Boom | at Canal Outlet(Active | e Construction): | Time: | ; In-place_ | ; Pe | rforming prop | erly |
| 3) Ass | essment of Water Qu | iality at Pump Dis | charge (Ac | tive Constructio | n):: | | |
| Time:_ | ; sheens; | turbid | lity: | | NT | U unacidified | /acidified |
| Time:_ | ; sheens; | turbid | lity: | / | NT | U unacidified/ | acidifed |
| 4) Pun | iping Systems: | | | | | | |
| Pump | on time: Pu | ımp off time: | | Pumping duratio | n since las | st inspection: | |
| By-Pas | s pump; Time: | Suction secure | e; V | Vater Depth at Su | action: | | ft |
| Discha | rge secure; | Discharge hose | e; leakage | ; signs of | wear; | coupling | s; |
| 5) See | os, Sheens, or NAPL | in canal and wetla | ands. Reco | rd time, observa | ation loca | tion (transect | and offset from |
| west b | ank), approximate e VSIBR FOM T | levation, description of the Blank | on (rate, vo | lume, area), and | l action ta | aken (if any). | |
| | PL Pressure Relief V | | | | | _ | |
| Well | Water level (fbtoc) | Initial DNAPL le | vel (fbtoc) | DNAPL remov | ed (gal.) | Final DNAP | L level (fbtoc) |
| #1 | | | | | | | |
| #2 | | | | <u></u> | | | |
| #3 | | | | | | <u> </u> | |
| 7) Wa | ter Control Structur | es at Outlet: | | | | | |
| Structi | re type (circle one): | flash boards | W | ater filled coffere | lam | sand bern | n |
| | ide; Retained water de | | _ | | | | |
| Seepag | se: | ; Condition: | | ; Alignmen | ıt | | _ |
| | side; Retained water d | | | | | | |
| Seepag | ge: | ; Condition: | | ; Alignmen | ıt | | <u> </u> |
| | K:\\1-0870-1\NAPL response str | ategy\1210West Bank Cap En | vironmental inspec | tionckecklist.doc | | | |

| DATE: 12/31/03 INSPECTOR: JMV WEATHER: Cloudy | | | |
|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: N/A WIND DIRECTION/SPEED: Slope N wind | | | |
| TEMPERATURE (degrees F): 36 ACTIVE CONSTRUCTION: N (Y/N) | | | |
| Ice thickness in Canal circa T9:inches Snow depth circa T9:inches | | | |
| Canal Stage measurement time: 1428 Canal Reference Point (151 of and Elevation 4.5 ft NGVD | | | |
| Canal Water Elevation 95 ft; 97.45 ft NGVD 15 about 10 98 0 | | | |
| Lake Stage time: 1428 Lake Water _95 ft above/below weir crest (96.5 ft NGVD); 49.45 ft NGVD | | | |
| 1) Air quality (Active Construction): abutment @ 98 @ 98.95 @ 1/6/64 | | | |
| Time : ;Location:; PID reading: ppmV; Background: ppmV | | | |
| Time:; PID reading: ppmV; Background: ppmV | | | |
| 2) Environmental Controls: | | | |
| Sorbent Boom at Transect T-7: Time: 1445; In-place , Performing properly by ice | | | |
| Boom/Curtain at Transect T-9+30: Time: 1446; In-place ; Performing properly | | | |
| Boom at Transect T-12+00: Time: 1440; In-place ; Performing properly read we | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | |
| Time:; sheens; turbidity: /NTU unacidified/acidifed | | | |
| 4) Pumping Systems: | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NONC VISING TO DONE | | | |
| * -loss into : sill out to about the Coult Coult on Shilling K | | | |
| * please note: silt curtain at outlet is flooting freely on southern 1/2 | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | |
| #1 | | | |
| #2 | | | |
| #3 | | | |
| 7) Water Control Structures at Outlet: | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | |
| Seepage: ; Condition: ; Alignment | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | |
| | | | |
| Seepage:; Condition:; Alignment | | | |

| DATE: 1/6/02 INSPECTOR: JMV WEATHER: SUMY | | | | | |
|--|--|--|--|--|--|
| DATE: 1/6/02 INSPECTOR: JMV WEATHER: Sunny PRECIPITATION IN PREVIOUS 24 HOURS: dusting WIND DIRECTION/SPEED: N/A | | | | | |
| TEMPERATURE (degrees F): <u>~30</u> ACTIVE CONSTRUCTION: N (Y/N) | | | | | |
| Ice thickness in Canal circa To: 11/4 inches Snow denth circa To: 3 inches | | | | | |
| Canal Stage measurement time: 1045 Canal Reference Point energy and Elevation 46.5 ft NGVD | | | | | |
| Canal Water Elevation 11'a" ft; 98.96 ft NGVD abutment @ 1/7/03 | | | | | |
| Lake Stage time: 10.45 Lake Water 11.4 ft above/below weir crest (96.5 ft NGVD); 98.96 ft NGVD | | | | | |
| 1) Air quality (Active Construction): Chelment 1/7/63 | | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | | |
| 2) Environmental Controls: | | | | | |
| Southeast Doors of Transport T 7: Times 100 . In place 1 . Doubermain a manually 1 | | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1105; In-place ; Performing properly Time: 1105; In-place ; Performing properly Time: 1105; In-place ; Performing properly Time: 1105; In-place Time: 1105; In- | | | | | |
| Boom at Transect T-12+00: Time: 110; In-place N; Performing properly N (+) | | | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | | | |
| Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | | | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | | | | | |
| 4) Pumping Systems: | | | | | |
| | | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | | |
| | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) + west side of boom flooting freely, continuing boom along west bonk - portion free floating boom work to Area 6 (also caused by high work lww); no visible sups or shore please note debris including look look floating around the outlet unoth to locate the what book boom @ outlet is loose and floating truly on one end 6) NAPL Pressure Relief Wells (Active Construction): | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). + west side of boom flooting freely, continuing boom along west bone - portion) free flooting open work to Area 6 (also Caused by high work level); no visible steps or sheeps where the water boom @ outlet is loose on flooting freely on one end 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage ; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) + west side of boom flooting fruly, continuing boom along west bone - portion free flooting fruly and lower lowed in the west bone - portion free flooting free loss, floating around the outlet one locate the what boat boom @ outlet is loose ord flooting truly on one long 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) west bank of boom flooting well, continuing boom along west bank of the flooting freely, continuing boom along west bank of the flooting of the flooting around the outlet condition to supplie the water boot boom @ outlet is loose ord flooting truly on dree end 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) west bank side of boom flooting fruly, continuing boom along west bank portions for floating open work to Area 6 (also caused by high work level); no visible support shares please note debats including local loas floating around the outlet under to locate the what book boom @ outlet is loose and floating truly on date and (NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) west bank side of boom flooting freely, continuing boom along west bank portions for flooting freely, continuing boom along west bank portions for flooting freely on one wast bank portions for flooting treely on one wast for order to locate the what boot boom @ order is loose and flooting treely on one wast 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). + west Sich of boom flooting flush, continuing boom along west bone position for floating flush, continuing boom along west bone position for floating flush, continuing boom along west bone position for floating flush was least of Naple Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft Discharge secure; Discharge hose; leakage; signs of wear; couplings; 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any) + west side of hoom flooting fruly, continuing hoom along west hone portion for freating open work to Area 6 (also caused by high work level); no visible steps or sheets **Please note debris including level loss flooting around the outlet under to locate the what hook | | | | | |

| DATE: 1/7/08 INSPECTOR: JAV WEATHER: Claudy | | | | |
|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: dusting WIND DIRECTION/SPEED: Strong West wind | | | | |
| TEMPERATURE (degrees F): 10 ACTIVE CONSTRUCTION: N (Y/N) | | | | |
| Ice thickness in Canal circa T9: NA inches Snow depth circa T9: NA inches | | | | |
| Canal Stage measurement time: N/A Canal Reference Point N/A and Elevation N/A ft NGVD | | | | |
| Canal Water Elevation N/A ft; N/A ft NGVD | | | | |
| Lake Stage time: N/A Lake Water N/A ft above/below weir crest (96.5 ft NGVD); N/A ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time; Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 1210; In-place; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1212 ; In-place ; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1212 ; In-place ; Performing properly Boom at Transect T-12+00: Time: 1219 ; In-place ; Performing properly Ferforming Properly | | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens;turbidity:/NTU unacidified /acidified | | | | |
| Time:; sheens;turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction:ft | | | | |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). 10 VSI BL SELPS ON Shares; ploud 80 of boom and 10 of sweep from wish edge of | | | | |
| no visible seeps or shars; placed 80 of boom and 10 of sweep from wist edge of | | | | |
| all booms in place and site secure | | | | |
| UNI DOUTS IN PLACE DAY SIE SECURE | | | | |
| | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | | | | |

| DATE: 1/13/64 INSPECTOR: JMV | WEATHER: Show | | | | | |
|---|---|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: dusting WIND DIRECTION/SPEED: Slight N wind | | | | | | |
| TEMPERATURE (degrees F): 18° ACTIVE CONSTRUCTION: 1 (Y/N) | | | | | | |
| Ice thickness in Canal circa T9: | | | | | | |
| Canal Stage measurement time: 10:22 Canal Reference l | | | | | | |
| Canal Water Elevation 5 in 98,42 ft NGVD | | | | | | |
| Lake Stage time: 10:22 Lake Water 5 in # abo | _ | | | | | |
| 1) Air quality (Active Construction): | abutment 98 | | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | | | |
| Time : ;Location: ; PID reading: | ppmV; Background: ppmV | | | | | |
| 2) Environmental Controls: | | | | | | |
| Sorbent Boom at Transect T-7: 5how covered Time: | ; In-place ; Performing properly | | | | | |
| | oo ; In-place N ; Performing properly N | | | | | |
| Boom at Transect T-12+00: Show coved Time: | ; In-place; Performing properly | | | | | |
| Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly | | | | | |
| Curtain at Canal Outlet(Active Construction): Time: | ; In-place ; Performing properly | | | | | |
| Boom at Canal Outlet(Active Construction): Time: | ; In-place ; Performing properly | | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Ac | tive Construction):: | | | | | |
| Time:; sheens; turbidity: | /NTU unacidified /acidified | | | | | |
| Time:; sheens; turbidity: /NTU unacidified/acidifed | | | | | | |
| 4) Pumping Systems: | | | | | | |
| Pump on time: Pump off time: | Pumping duration since last inspection: | | | | | |
| By-Pass pump; Time: Suction secure; V | Vater Depth at Suction:ft | | | | | |
| Discharge secure;Discharge hose; leakage | ; signs of wear; couplings; | | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Reco | rd time, observation location (transect and offset from | | | | | |
| west bank), approximate elevation, description (rate, vo | lume, area), and action taken (if any). | | | | | |
| 2 sections of hard boom - south section file on east side + flooted into cond and from in-place - noth section performing property; no steps or shares visible from THE East book | | | | | | |
| TO COSI DOLL | y you seeps a stars visible thin | | | | | |
| | | | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) | DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | | |
| #1 | | | | | | |
| #2 | | | | | | |
| #3 | | | | | | |
| 7) Water Control Structures at Outlet: | | | | | | |
| Structure type (circle one): flash boards w | ater filled cofferdam sand berm | | | | | |
| Lake side; Retained water depth:feet Height of | structure above water surface:feet | | | | | |
| Seepage:; Condition: | ; Alignment | | | | | |
| Canal side; Retained water depth:feet Height of | structure above water surface:feet | | | | | |
| Seepage:; Condition: | ; Alignment | | | | | |

| DATE: 1/6/04 INSPECTOR: JAN DWAYNARDWEATHER: Show OW CAST |
|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: Austing WIND DIRECTION/SPEED: 80-30 mph N NW |
| TEMPERATURE (degrees F): 2 ACTIVE CONSTRUCTION: N (Y/N) |
| |
| Ice thickness in Canal circa T9: 7 inches Snow depth circa T9: 0-7 inches Canal Stage measurement time: 11.40 and Reference Point 34.4 and Elevation 10364 ft NGVD |
| Canal Water Elevation TOTALITERS ZENTI NGVD RR - PIN-RVIZA |
| Lake Stage time: //:40 Lake Water ICE & Spece/below weir crest (96.5 ft NGVD); 97.94 ft NGVD |
| 1) Air quality (Active Construction): 5.7 FT 1-16-04 Wolfs BM-103.64 TOPOFICE |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV |
| 2) Environmental Controls: |
| Sorbent Boom at Transect T-7: Time: 13:00 In-place; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: 12:06n-place; Performing properly |
| Boom at Transect T-12+00: Time: ; In-place ; Performing properly |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly |
| Curtain at Canal Outlet(Active Construction): Time: 13:15; In-place ; Performing properly Boom of |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time: ; sheens; turbidity: / NTU unacidified /acidified |
| Time:; sheens;turbidity:/ NTU unacidified/acidifed |
| 4) Pumping Systems: |
| Pump on time: Pump off time: Pumping duration since last inspection: |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any), |
| 3 Holes Boned in ICE @ T9+60 E50 TIOHSOE40 P12+00E20 |
| |
| rce thickness 7" / 10" / 9" |
| 6) NAPL Pressure Relief Wells (Active Construction): |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| #1 |
| |
| #2 |
| #3 |
| |
| #3 |
| 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm |
| 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet |
| 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm |

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| DATE: 1/19/04 INSPECTOR: JMV WEATHER: SUNY |
|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: Stong & wind |
| TEMPERATURE (degrees F): 18 ACTIVE CONSTRUCTION: N (Y/N) |
| Ice thickness in Canal circa T9:inches Snow depth circa T9:inches |
| Ice thickness in Canal circa T9:inches Snow depth circa T9: inches Canal Stage measurement time:inches |
| Canal Water Elevation totally from ft NGVD RR- pin RVI24 |
| Lake Stage time: 11:10 Lake Water ice Rabove/below weir crest (96.5-ft NGVD); 97.64 ft NGVD |
| 1) Air quality (Active Construction): 6 ft 3 1-19-64 US65 BM - [03-64] |
| Time:;Location:; PID reading:ppmV; Background:ppmV |
| Time; Location:; PID reading:ppmV; Background:ppmV |
| 2) Environmental Controls: |
| Sorbent Boom at Transect T-7: Time: 1400 ; In-place ; Performing properly 1600 ; In-place ; Performing prope |
| Boom/Curtain at Transect T-9+30: Time: 1410 ; In-place ; Performing properly |
| Boom at Transect T-12+00: Time: 1426; In-place ; Performing properly cont Sec |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly forces |
| Curtain at Canal Outlet(Active Construction): Time: 1425; In-place , Performing properly 6004 60 |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time:; sheens; turbidity:/NTU unacidified /acidified |
| Time:; sheens;turbidity:/NTU unacidified/acidifed |
| 4) Pumping Systems: |
| Pump on time: Pump off time: Pumping duration since last inspection: |
| By-Pass pump; Time: Suction secure; Water Depth at Suction:ft |
| Discharge secure;Discharge hose; leakage; signs of wear;couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| Sel notes PSCS PCM FB#2, pa 83- as for detrils of Sheers & released asserted while post |
| Seved holes bared in the ice-+++ wor 1900 1'11" thick cap |
| |
| 6) NAPL Pressure Relief Wells (Active Construction): |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| #1 |
| #2 |
| #3 |
| 7) Water Control Structures at Outlet: |
| Structure type (circle one): flash boards water filled cofferdam sand berm |
| Lake side; Retained water depth:feet Height of structure above water surface:feet |
| Seepage:; Condition:; Alignment |
| Canal side; Retained water depth:feet Height of structure above water surface:feet |
| Seepage:; Condition:; Alignment |

| DATE: 1-26-04 INSPECTOR: D. Maynard/U | · Davey WEATHER: C/ear |
|---|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: WO W | IND DIRECTION/SPEED: 10-15 MOH NW |
| TEMPERATURE (degrees F):ACTIVE CONS | FRUCTION: <u>MO</u> (Y/N) |
| | |
| Ice thickness in Canal circa T9:inches Stand Stage measurement time: Canal Reference I | Point not and Elevation 15364ft NGVD |
| Canal Water Elevation 77 BBMft NGVD | |
| Lake Stage time: NA FNEEN Lake Water ft abo | |
| 1) Air quality (Active Construction): | |
| Time ; ;Location; ; PID reading: | ppmV; Background: ppmV |
| Time:;Location:; PID reading: | ppmV; Background: ppmV |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: Time: | ; In-place; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: // | ; In-place $ u$; Performing properly $ u$ |
| Boom at Transect T-12+00: Time: | ; In-place ; Performing properly FNZEA |
| Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly |
| Curtain at Canal Outlet(Active Construction): Time: | ; In-place; Performing properly |
| Boom at Canal Outlet(Active Construction): Time: | ; In-place; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Ac | tive Construction):: |
| Time:; sheens; turbidity: | /NTU unacidified /acidified |
| Time:; sheens; turbidity: | /NTU unacidified/acidifed |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: | Pumping duration since last inspection: |
| By-Pass pump; Time: Suction secure; \ | Vater Depth at Suction:ft |
| Discharge secure;Discharge hose; leakage | ; signs of wear; couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Reco | rd time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, vo | lume, area), and action taken (if any). |
| NONE | |
| | |
| | |
| AS NOTATION TO TO BE CONSTITUTED AND A SECOND | |
| 6) NAPL Pressure Relief Wells (Active Construction): | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) | DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| <u></u> | DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) | DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 | DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 | DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: NONE | DNAPL removed (gal.) Final DNAPL level (fbtoc) rater filled cofferdam sand berm |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: NONE | vater filled cofferdam sand berm |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 #3 | rater filled cofferdam sand berm f structure above water surface:feet |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: NONE Structure type (circle one): flash boards water depth:feet Height one | rater filled cofferdam sand berm f structure above water surface:feet; Alignment |

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| DATE: 1-27-04 INSPECTOR: W. Down WEATHER: PT clared | |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: 0 WIND DIRECTION/SPEED: 10-15 mg 4 NE | |
| TEMPERATURE (degrees F):S^FACTIVE CONSTRUCTION: Na(Y/N) | |
| Ice thickness in Canal circa T9:inches Snow depth circa T9:inches | |
| Canal Stage measurement time: 11:30 Canal Reference Point 355 and Elevation 103.64 ft NGVD | |
| Canal Water Elevation 75 hm ft; 97.39 ft NGVD | |
| Lake Stage time: Mr Frozen Lake Water ft above/below weir crest (96.5 ft NGVD); ft NGV | D |
| 1) Air quality (Active Construction): | |
| Time:;Location:; PID reading: ppmV; Background: ppmV | |
| Time : ;Location: ppmV; Background: ppmV | |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: Time: ; In-place ; Performing properly | _ |
| Boom/Curtain at Transect T-9+30: Time: 1/30; In-place / ; Performing properly / | _ |
| Boom at Transect T-12+00: Time: ; In-place ; Performing properly from | _ |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | _ |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | _ |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | _ |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | |
| Time:, sheens; turbidity: /NTU unacidified /acidified | |
| Time:; sheens; turbidity:/ NTU unacidified/acidifed | |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: Pumping duration since last inspection: | _ |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | _ |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset fr | m |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | |
| NONE | - |
| | _ |
| | _ |
| 6) NAPL Pressure Relief Wells (Active Construction): | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc |) |
| #1 | |
| #2 | |
| #3 | |
| 7) Water Control Structures at Outlet: NoNE | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | |
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| DATE: 1-28-04 INSPECTOR: W. Davy WEATHER: 1.3Lt snow | |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: 1-2" WIND DIRECTION/SPEED: 70-C | |
| TEMPERATURE (degrees F): /5°/- ACTIVE CONSTRUCTION: (Y/N) | |
| Ice thickness in Canal circa T9:inches Snow depth circa T9:inches | |
| Canal Stage measurement time: 12:00 Canal Reference Point and Elevation 103,64 n NGVD | |
| Canal Water Elevation 75"bbaft; 97.39 ft NGVD | |
| Lake Stage time: Mr Frage. Lake Water ft above/below weir crest (96.5 ft NGVD); ft NGVD | |
| 1) Air quality (Active Construction): | |
| Time:;Location:; PID reading:ppmV; Background:ppmV | |
| Time:;Location:; PID reading:ppmV; Background:ppmV | |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: Time: 13:30; In-place ; Performing properly (10) | |
| Boom/Curtain at Transect T-9+30: Time: 13:00; In-place , Performing properly | |
| Boom at Transect T-12+00: Time: ; In-place ; Performing properly from | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | |
| Time:; sheens; turbidity:/ NTU unacidified /acidified | |
| Time:; sheens; turbidity: /NTU unacidified/acidifed | |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: Pumping duration since last inspection: | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | 1 |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | |
| | |
| | |
| | |
| 6) NAPL Pressure Relief Wells (Active Construction): | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | |
| #1 | |
| #2 | |
| #3 | |
| 7) Water Control Structures at Outlet: Nove | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | |
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| DATE: 2/5/04 INSPECTOR: JMV WEATHER: SUNNY | |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: Colm ' | |
| TEMPERATURE (degrees F): ~\Q\theta^{\theta} \text{ ACTIVE CONSTRUCTION: N (Y/N)} | |
| Ice thickness in Canal circa T9: 1'4" inches Snow depth circa T9: 1'D inches | |
| Canal Stage measurement time: 1040 Canal Reference Point wer and Elevation 96 5 ft NGVD | |
| Canal Water Elevation 2" 12 3-5-64 96 & ft NGVD 2/154 | |
| Lake Stage time: 1040 Lake Water 2" # above/below weir crest (96.5 ft NGVD); 96.6 ft NGVD | |
| 1) Air quality (Active Construction): | |
| Time : ;Location:; PID reading: ppmV; Background: ppmV | |
| Time : ;Location:; PID reading: ppmV; Background: ppmV | |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: Time:; In-place; Performing properly Snow COVIC | d |
| Boom/Curtain at Transect T-9+30: Time: ; In-place ; Performing properly Street College ; Performing properly Street Colleg | 1 |
| Boom at Transect T-12+00: Time: ; In-place ; Performing properly Show (Sweet) | 1 |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | |
| Time:; sheens; turbidity: /NTU unacidified /acidified | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: Pumping duration since last inspection: | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | |
| No strains / complete should alread sie POTS PCM DR#1 as 140 for addition | |
| no sheins/product obstuid, please sie PSCS PCM fB#1, pg. 140 for odd. the 1 details | |
| | |
| 6) NAPL Pressure Relief Wells (Active Construction): | _ |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | |
| #1 | |
| #2 | |
| #3 | |
| 7) Water Control Structures at Outlet: | |
| | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | |
| Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | |
| Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | |
| Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet Seepage:; Condition:; Alignment | |

| DATE: | $\frac{2/13/64}{100}$ INS | PECTOR: <u>jM</u> | IV | WEA | THER | : mostly cloudy |
|----------|---|---------------------------------------|-------------------|------------------------|----------|--------------------------------------|
| PRECI | PITATIÓN IN PREV | TOUS 24 HOURS: | w | IND DIRECTION/S | SPEED | o: <u>calm'</u> |
| TEMP! | ERATURE (degrees I | ₹): <u>~∂५°</u> ACT | IVE CONST | TRUCTION:\)_ | (Y/I | N) |
| Ice thic | kness in Canal circa | г9: <u>> /3</u> | _inches Sr | now depth circa T9: | | inches inches |
| Canal S | Stage measurement tir | ne: <u>1130</u> Canal | Reference I | Point Will and | Elevati | ion <u>96.5</u> ft NGVD |
| Canal \ | Water Elevation $2''$ | ft; 96.33 | _ft NGVD | crost | | 96,25 y 2-13-14 |
| Lake S | tage time: | Lake Water _ | _ <u>3"</u> _&abo | ve/below weir crest | (96.5 f | t NGVD); <u>46.33</u> -ft NGVD |
| 1) Air | quality (Active Cons | truction): | | | | |
| Time_ | :;Location:_ | ; PID : | reading: | ppmV; Backs | ground | : ppmV |
| Time_ | :;Location: _ | ; PID : | reading: | ppmV; Backş | ground | : ppmV |
| 2) Env | ironmental Controls | s: | | | | |
| Sorben | t Boom at Transect T | -7: | Time: | ; In-place | ; Pe | rforming properly Show Cowco |
| Boom/ | Curtain at Transect T | -9+30: | Time: | ; In-place | , Pe | rforming properly Show could |
| Boom | at Transect T-12+00: | | Time: | ; In-place | ; Pe | rforming properly <u>Shiw Col</u> ud |
| Boom | at pump intake(Active | Construction): | Time: | ; In-place | ; Pe | rforming properly |
| Curtair | at Canal Outlet(Acti | ve Construction): | Time: | ; In-place | ; Pe | rforming properly |
| Boom | at Canal Outlet(Activ | e Construction): | Time: | ; In-place | ; Pe | rforming properly |
| 3) Asse | essment of Water Qu | iality at Pump Dis | scharge (Ac | tive Construction): | : | |
| Time:_ | ; sheens; | turbic | lity: | / | NT | U unacidified /acidified |
| Time:_ | ; sheens; | turbic | lity: | / | NT | U unacidified/acidifed |
| 4) Pun | aping Systems: | | | | | |
| Pump | on time: P | ump off time: | | Pumping duration si | ince las | st inspection: |
| By-Pas | s pump; Time: | Suction secur | e; V | Vater Depth at Suction | on: | ft |
| Discha | rge secure; | Discharge hos | e; leakage | ; signs of wea | ar; | couplings; |
| 5) See | s, Sheens, or NAPL | in canal and wetl | ands. Reco | rd time, observatio | n loca | tion (transect and offset from |
| west b | ank), approximate e SLYDS OV SHUNS (| levation, descripti X NAPL observe | on (rate, vo | lume, area), and ac | ction ta | aken (if any). |
| | | | | | | |
| 6) NA | PL Pressure Relief \ | Wells (Active Cons | struction): | | | |
| Well | Water level (fbtoc) | Initial DNAPL le | evel (fbtoc) | DNAPL removed | (gal.) | Final DNAPL level (fbtoc) |
| #1 | | | | | | |
| #2 | | | · | | | |
| #3 | | | | | | |
| 7) Wa | ter Control Structur | res at Outlet: | | L | | |
| Structu | re type (circle one): | flash boards | w | ater filled cofferdam | 1 | sand berm |
| Lake s | ide; Retained water de | | | structure above wat | ter surf | ace:feet |
| | ge: | | _ | | | |
| | side; Retained water of | | | | | |
| | ge: | | | | | |
| | K:\1-0870-1\NAPL response st | | | | | |

| DATE: Q/20/04 INSPECTOR: JMV WEATHER: SUNYY | | | | |
|---|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: | | | | |
| TEMPERATURE (degrees F): ^19 ACTIVE CONSTRUCTION: N (Y/N) | | | | |
| Ice thickness in Canal circa T9: 1'5" inches Snow depth circa T9: ~4 inches | | | | |
| Canal Stage measurement time: 0945 Canal Reference Point below wor and Elevation 96.5 ft NGVD | | | | |
| Canal Water Elevation 5 in A; 96.08 ft NGVD Lake Stage time: 7 in Lake Water 7 in Kabove/below weir crest (96.5 ft NGVD); 95,92 ft NGVD | | | | |
| Lake Stage time: 7 17 Lake Water 7 10 Rabove/below weir crest (96.5 ft NGVD); 95,92 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time:;Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time:; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: ; In-place ; Performing properly Show Coverd | | | | |
| Boom/Curtain at Transect T-9+30: Time: <u>0930</u> ; In-place; Performing properly | | | | |
| Boom at Transect T-12+00: Time:; In-place; Performing properly Snow CON VIO | | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | |
| inspected conel; just cribbing > no evidence of shrens or globules, no odor trace amount of part on folding rule while collecting work depth measurement from ice augu hore (no shrens on work surface) | | | | |
| ice over bill (100 5 hears go Cost a surface) | | | | |
| The allow the type series of work surface) | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #1 | | | | |
| #2 | | | | |
| #3 | | | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |

| DATE: 2/26/64 INSPECTOR: JMV WEATHER: SUMY | | | | |
|--|---|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: N/A WIND DIRECTION/SPEED: Sligh SW Wind | | | | |
| TEMPERATURE (degrees F): $\sqrt[\Lambda]{QS^{\alpha}}$ ACTIVE CONSTRUCTION: $\sqrt{(Y/N)}$ | | | | |
| Ice thickness in Canal circa T9: 2'8 inches Snow depth circa T9: 4 inches | | | | |
| Canal Stage measurement time: 1545 Canal Reference Point WC and Elevation 96.5 ft NGVD | | | | |
| Canal Water Elevation 5" BNC ft; ft NGVD | | | | |
| Lake Stage time: 1545 Lake Water 11 " ft-above/below weir crest (96.5 ft NGVD);ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time ; ;Location:; PID reading:ppmV; Background:ppmV | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: ; In-place ; Performing properly Show covered | ł | | | |
| Boom/Curtain at Transect T-9+30: Time: 1510 ; In-place ; Performing properly | | | | |
| Boom at Transect T-12+00: Time: ; In-place ; Performing properly Show could | | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | a | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | |
| no evidence of NAPL Shows/blobs | | | | |
| | | | | |
| | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| | | | | |
| #1 | | | | |
| | | | | |
| #1 | | | | |
| #1 | | | | |
| #1 #2 #3 #3 #3 #4 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 | | | | |
| #1 #2 #3 7) Water Control Structures at Outlet: | - | | | |
| #1 #2 #3 #3 #3 Part Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| #1 #2 #3 #3 #3 #3 #3 #3 #4 #3 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 #5 | | | | |

| DATE: 3/4/04 INSPECTOR: J. VIBBURGH WEATHER: OVER USET | | | | |
|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: NONE WIND DIRECTION/SPEED: O-10 MPA 5N | | | | |
| TEMPERATURE (degrees F): 35 ACTIVE CONSTRUCTION: 16 (Y/N) | | | | |
| Ice thickness in Canal circa T9: 1.5 F- 16 inches Snow depth circa T9: 3 inches | | | | |
| Canal Stage measurement time: 9:34 Canal Reference Point wer and Elevation 46.5 ft NGVD | | | | |
| Canal Water Elevation 6.1 ft; 96.4 ft NGVD | | | | |
| Lake Stage time: 9:34 Lake Water 1.1 ft above below weir crest (96.5 ft NGVD); 95.4 ft NGVD 1) Air quality (Active Construction): (Lake = 95.06 FtN 640 & Lang st. 6 5:45 AM) AND RIGHTG- | | | | |
| 1) Air quality (Active Construction): (Lake = 95.06 FINGID & May 57. @ 5.45 AM) AND RIGING- | | | | |
| Time:;Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time : ;Location: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 9:45; In-place ; Performing properly Frozen | | | | |
| Boom/Curtain at Transect T-9+30: Time: 9:50; In-place v; Performing properly <u>Evoquen</u> | | | | |
| Boom at Transect T-12+00: Time: 10:15; In-place ; Performing properly transect | | | | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time: 9:25; In-place No.; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time: 9:25; In-place 1; Performing properly; | | | | |
| Boom at Canal Outlet(Active Construction): Time: 9:25; In-place is Performing properly 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens; turbidity: /NTU unacidified /acidified | | | | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | |
| Now of outlet or in Bosin, None in Area 3 pr 7 pr 2. Slight tar odor at roots of tree @ T10+50, 2 Ftwest. On Probe only No sheeps, NAPL Anywhere including Canal and West Bank | | | | |
| No shoons MADI Annuhere including Conal and West Bank | | | | |
| · | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #1 | | | | |
| #2 | | | | |
| #3 | | | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |

| DATE: 1/0/04 INSPECTOR: 0/14/16/16 | WEATHER: <u>light Shwfall</u> | | |
|--|--|--|--|
| DATE: 3/8/04 INSPECTOR: JMV, RTK WEATHER: light Showfall PRECIPITATION IN PREVIOUS 24 HOURS: L. Smw WIND DIRECTION/SPEED: Colm / MA | | | |
| TEMPERATURE (degrees F): 30° ACTIVE CONSTRUCTION: N (YN) | | | |
| Ice thickness in Canal circa T9: 81/2 inches Snow depth circa T9: Queling / WA inches | | | |
| Canal Stage measurement time: 120 Canal Referen | 1 12 | | |
| Canal Water Elevation O'about New Grand 96.5 ft NG | | | |
| Lake Stage time: 1120 Lake Water 5 ft above below weir crest (96.5 ft NGVD); 96.0 ft NGVD | | | |
| 1) Air quality (Active Construction): | | | |
| Time : ;Location: ; PID reading: | ppmV; Background:ppmV | | |
| Time ; ;Location:; PID reading: | - | | |
| 2) Environmental Controls: | | | |
| Sorbent Boom at Transect T-7: Time: 1420; In-place 115; Performing properly 115 | | | |
| | 142b; In-place VS; Performing properly WS | | |
| | 1420; In-place 1/13; Performing properly 1/15 | | |
| | ; In-place; Performing properly | | |
| Curtain at Canal Outlet(Active Construction): Time: | ; In-place ; Performing properly | | |
| Boom at Canal Outlet(Active Construction): Time: | ; In-place; Performing properly | | |
| 3) Assessment of Water Quality at Pump Discharge | Active Construction):: | | |
| Time:; sheens; turbidity: | / NTU unacidified /acidified | | |
| Time: ; sheens; turbidity: | / NTU unacidified/acidifed | | |
| 4) Pumping Systems: | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | |
| Pump on time: Pump off time: | Pumping duration since last inspection: | | |
| By-Pass pump; Time: Suction secure; | | | |
| | _ Water Depth at Suction:ft | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage | _ Water Depth at Suction:ft | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakag 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERL OBSERVED AT 714+00 (at prices NAR | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along west hone); shares were deserved on | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERE CONSERVED AT T14+00 (at primes NARL top of ice of previous ice of the work NARL invocation | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along west book); shares were deserved on | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERE CONSERVED AT T14+00 (at primes NARL top of ice of previous ice of the work NARL invocation | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along west book); shares were deserved on | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERE CONSERVED AT T14+00 (at primes NARL top of ice of previous ice of the work NARL invocation | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along west book); shares were observed on holis: ~ T9+80 S'w, ~ T10-10 ~ S'w, T10+66 ~ US of NAM during inspection ~ phose see PSCS PCM | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SMENS WERE CONSERVED AT T14+00 (at previous NAPL top of ice of previous ice and winter NAPL inspection 15-20'w, and T11+05 "15-20'w in a winderse of release | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along use hore); shares were deserved on holis: ~ T9+80 5'w, ~ T10+10 ~ 5'w, T10+66 ~ US of NAR duling inspection ~ phose see PSCS PCM fB#1, pg. 95-97 for mee deboils): | | |
| By-Pass pump; Time: Suction secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate 5 Mens were observed at 7/4+00 (at press NAPL hypertic for all ce of pressure size our winter NAPL inspection (S-20'w, and 711+05 "15-20'w in a winter of release 6) NAPL Pressure Relief Wells (Active Construction | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along use hore); shares were deserved on holis: ~ T9+80 5'w, ~ T10+10 ~ 5'w, T10+66 ~ US of NAR duling inspection ~ phose see PSCS PCM fB#1, pg. 95-97 for mee deboils): | | |
| By-Pass pump; Time: Suction secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SNENS WERE Observed at T14+00 (at press NAPL hop of ice of previous ice Quay winter NAPL inspection [S-20'w, and T11+05 ~15-20'w in a winter of release 6) NAPL Pressure Relief Wells (Active Construction Well Water level (fbtoc) Initial DNAPL level (fbtoc) | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along use hore); shares were deserved on holis: ~ T9+80 5'w, ~ T10+10 ~ 5'w, T10+66 ~ US of NAR duling inspection ~ phose see PSCS PCM fB#1, pg. 95-97 for mee deboils): | | |
| By-Pass pump; Time: Suction secure; Discharge secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERE CONSERVED AT T14+00 (at precious NARL top of ice of previous ice ough winter NAPL inspection [S-20'w, and T11+05 | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along use hore); shares were deserved on holis: ~ T9+80 5'w, ~ T10+10 ~ 5'w, T10+66 ~ US of NAR duling inspection ~ phose see PSCS PCM fB#1, pg. 95-97 for mee deboils): | | |
| By-Pass pump; Time: Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate Shens were charved at T14+00 (at primes NAPL top of ice of previous ice and winter NAPL inspection [IS-20'w, and T11+05 "IS-20'w in twickness of release 6) NAPL Pressure Relief Wells (Active Construction Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along use hore); shares were deserved on holis: ~ T9+80 5'w, ~ T10+10 ~ 5'w, T10+66 ~ US of NAR duling inspection ~ phose see PSCS PCM fB#1, pg. 95-97 for mee deboils): | | |
| By-Pass pump; Time: Suction secure; Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SMENS WERE Observed at T14+00 (at press NARL top of ice of pressure (or one winter NAPL inspection 15-20'w, and T11+05 ~15-20'w; no evidence of release 6) NAPL Pressure Relief Wells (Active Construction Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 #2 #3 | Water Depth at Suction: | | |
| By-Pass pump; Time: Discharge hose; leakage 5) Seeps, Sheens, or NAPL in canal and wetlands. R west bank), approximate elevation, description (rate SWENS WERL CHSELVED AT T14+00 (at pricing NARL top of ice of previous ice Quay winter NAPL inspection IS-20'w, and T11+05 "IS-20'w in evidence of release 6) NAPL Pressure Relief Wells (Active Construction Well Water level (fbtoc) Initial DNAPL level (fbtoc) #1 | Water Depth at Suction: | | |
| By-Pass pump; Time: | Water Depth at Suction: | | |
| By-Pass pump; Time: | Water Depth at Suction:ft e; signs of wear;couplings; ecord time, observation location (transect and offset from volume, area), and action taken (if any). pool location along test bone); shares were deserved on holds: ~ T 9+80 S'w, ~ T10-10 ^S'w, T10+66 ~ US of NAPL during inspection > plast Sec PSCS PCM fB#L, pg. 9S-97-for mee details c) DNAPL removed (gal.) Final DNAPL level (fbtoc) water filled cofferdam sand berm t of structure above water surface:feet ; Alignment | | |

| ENVIRONMENTAL CONTROLS DAILY INSPECTION CHECKLIST | | | | |
|---|--|--|--|--|
| DATE: 3/19/64 INSPECTOR: Rhonda Kay WEATHER: Claudy, 35° E | | | | |
| PRECIPITATION IN PREVIOUS 24 HOURS: D WIND DIRECTION/SPEED: Calm | | | | |
| TEMPERATURE (degrees F): 35°F ACTIVE CONSTRUCTION: (Y/N) | | | | |
| Ice thickness in Canal circa T9: 8 inches Snow depth circa T9: dwshing to 1 inches | | | | |
| Canal Stage measurement time: 08:50 Canal Reference Point with and Elevation 91.50 ft NGVD | | | | |
| Canal Water Elevation 3.3 ft; 16.20 ft NGVD | | | | |
| Lake Stage time: 68:51 Lake Water 9.33 ft above (below) weir crest (96.5 ft NGVD); 96.17 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time:;Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time:;Location:; PID reading:ppmV; Background:ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 9:55; In-place; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 10:00; In-place v; Performing properly - reads to be | | | | |
| Boom at Transect T-12+00: Time: 9:50; In-place ; Performing properly | | | | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time: , sheens; turbidity: / NTU unacidified /acidified | | | | |
| Time: , sheens; turbidity: / NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Tit fool - surface water (0.5' x 1' visible, approx 10" deep) - NAPL throughout, | | | | |
| bottom soft, ice on all sides : drivering from above. Placed folded and on water | | | | |
| bottom soft, ice on all sides is dryping from about. Placed folded pad on water surface, water not moving. | | | | |
| • | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #2 | | | | |
| #3 | | | | |
| 7) Wiston Control Charles 4 Co. C. C. | | | | |
| in lockery | | | | |
| Structure type (circle one): (flash boards) water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | | | | |
| Seepage:; Condition:; Alignment | | | | |
| Canal side; Retained water depth: feet Height of structure above water surface: feet | | | | |
| Seepage:; Condition:; Alignment | | | | |
| K:\1-0870-1\NAPL response strategy\1210West Bank Cap Environmental inspectionckecklist.doc | | | | |

| DATE: 3/19/04 INSPECTOR: JMV WEATHER: Light Show | | | | |
|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: "Snow WIND DIRECTION/SPEED: Colm | | | | |
| TEMPERATURE (degrees F): 26° ACTIVE CONSTRUCTION: (Y/N) | | | | |
| Ice thickness in Canal circa T9:inches Snow depth circa T9:inches | | | | |
| Canal Stage measurement time: 0842 Canal Reference Point Weir and Elevation 46.5 ft NGVD | | | | |
| Canal Water Elevation 0.40 tt; 96.1 ft NGVD crest | | | | |
| Lake Stage time: 0842 Lake Water 0.44 ft above/below) weir crest (96.5 ft NGVD); 96.06 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time : ;Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time:; PID reading:ppmV; Background:ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 0910; In-place; Performing properly Boom/Curtain at Transect T-9+30: Time: 0910; In-place; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: <u>0910</u> ; In-place; Performing properly | | | | |
| Boom at Transect T-12+00: Time: 9910; In-place; Performing properly | | | | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | | |
| Time:, sheens; turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | | | |
| MI (held to place by exectly line max) in share absented alone with auchting will | | | | |
| exception of Tilles and a LANCE consists of share and sound of the State of dece | | | | |
| DNAR - placed poll on water Surface 0 | | | | |
| *Sitt curtain at T9-30 appears to be in 2-35 Sections-center has separated by ^I' (huld in place by pre-existing rape); no shens observed along west cribbing with exception of T14-60 pool - LNAPL consisting of shens and "splace" on wow Surface - trace DNAPL - placed ped on water surface 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #1 | | | | |
| #2 | | | | |
| #3 | | | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage: ; Condition: ; Alignment | | | | |

| DATE | :3/26/04 INS | PECTOR: JM | .V | WEA | ATHER: DOM | , cloudy | |
|----------|--|----------------------|-------------------------|----------------------|----------------------------------|--------------------------|-------------|
| | PITATION IN PREV | | | | | | |
| | ERATURE (degrees I | | | | | | |
| Ice thic | ekness in Canal circa | r9: <u>9'</u> | _ inche s Sn | ow depth circa T9 | | inches | |
| Canal | Stage measurement tir | ne: <u>0840</u> Cana | Reference F | oint below and | Elevation 96. | .∫_ft NGVD | |
| Canal | Stage measurement tir Water Elevation | .23 ft; 95.729 | 6.2" ft NGVD | war anst | | | |
| Lake S | tage time: 0840 | Lake Water | .78 ft abo | ve/below weir cres | t (96.5 ft NGVI |),9 <u>5.7.2</u> ft NGVI | D |
| 1) Air | quality (Active Cons | struction): | | | | | |
| Time_ | _:;Location: _ | ; PID | reading: | ppmV; Back | kground: | ppmV | |
| Time_ | : ;Location: | ; PID | reading: | ppmV; Bacl | cground: | ppmV | |
| 2) Env | ironmental Controls | S: | | | _ | _ | |
| Sorben | it Boom at Transect T | -7: | | | | g properly | _ |
| Boom/ | Curtain at Transect T- | -9+30: | Time: 100 | ≀O; In-place | ; Performing | g properly | _ |
| Boom | at Transect T-12+00: | | Time: <u>/ 00</u> | ن ; In-place | Performing | g properly | = |
| Boom | at pump intake(Active | Construction): | Time: | ; In-place | ; Performing | g properly | _ |
| Curtair | n at Canal Outlet(Acti | ve Construction): | Time: | ; In-place | ; Performin | g properly | _ |
| Boom | at Canal Outlet(Active | e Construction): | Time: | ; In-place | ; Performing | g properly | _ |
| 3) Ass | essment of Water Qu | iality at Pump Di | scharge (Act | ive Construction) | •• | | |
| Time:_ | ; sheens; | turbic | lity: | | NTU unacid | dified /acidified | |
| Time:_ | ; sheens; | turbic | lity: | | NTU unacio | dified/acidifed | |
| 4) Pan | aping Systems: | | | | | | |
| Pump (| on time: Pt | ump off time: | 1 | Pumping duration : | since last inspec | tion: | |
| By-Pas | ss pump; Time: | Suction secur | e; W | ater Depth at Suct | ion: | ft | |
| Discha | rge secure; | Discharge hos | e; leakage | ; signs of we | ear; co | uplings; | _ |
| 5) Seep | ps, Sheens, or NAPL | in canal and wetl | ands. Reco | rd time, observati | on location (tra | ansect and offset fro | m |
| | ank), approximate e | | | | | | |
| | on neds rope cont | L) | j | (1) | • | , | - |
| OCKO2 | the entire conel ; St | nans ina glabilis | OCSINEA IN | ace avair noice | OF ACTIVE NO | a cros aung | - |
| d no | vidus inspection (jind votest oven — l PL Pressure Relief V | minor light blus | hrens observe | d floating on whole | CS (flw) Obser Surace above i | ice of original relies | ora |
| 6) NA | PL Pressure Relief \ | Wells (Active Con | struction): | day wistrn cribbi | ng - trace DN | ard messed a prob | of Ti |
| Well | Water level (fbtoc) | Initial DNAPL le | vel (fbtoc) | DNAPL removed | (gal.) Final l | DNAPL level (fbtoc) | 6 |
| #1 | | | | | | | Z |
| #2 | | , | | | | | ٥ |
| #3 | | | | | | | |
| 7) Wa | ter Control Structur | res at Outlet: old | oed pads on | T14+00 shens/910 | buks - oil box | ms/sweeps in-place | |
| | re type (circle one): | 1 | | ater filled cofferda | | | |
| | ide; Retained water de | | | | | | |
| | ge: | | - | | | | |
| | side; Retained water d | | | | | | |
| | ge: | | - | | · | | |

| DATE: 3/29/04 INSPECTOR | R: JMV | WEATHER | : Sunny | |
|--|---------------------------|-----------------------------|---|--|
| PRECIPITATION IN PREVIOUS 24 | HOURS: W | IND DIRECTION/SPEED | Slight www.wind | |
| TEMPERATURE (degrees F): 40 ACTIVE CONSTRUCTION: W (Y/N) | | | | |
| Ice thickness in Canal circa T9: (Moltato message inches Snow depth circa T9: inches | | | | |
| Canal Stage measurement time: Q85 | O Canal Reference l | Point above we's and Elevat | ion <u>96.5</u> ft NGVD | |
| Canal Water Elevation OS observe ft; | 96.SS ft NGVD | crust | | |
| Lake Stage time: OSO Lak | e Water <u>.05</u> ft abo | ve/below weir crest (96.5 f | t NGVD); <u>%. SS</u> ft NGVD | |
| 1) Air quality (Active Construction | | | | |
| Time : ;Location: | ; PID reading: | ppmV; Background | : ppmV | |
| Time : ;Location: | ; PID reading: | ppmV; Background | :ppmV | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: | Time:_100 | <u>ح</u> ; In-place; Pe | rforming properly | |
| Boom/Curtain at Transect T-9+30: | Time: 100 | 7; In-place; Pe | rforming properly | |
| Boom at Transect T-12+00: | Time: <u>1010</u> | ; In-place; Pe | rforming properly | |
| Boom at pump intake(Active Constru | ction): Time: | ; In-place; Pe | rforming properly | |
| Curtain at Canal Outlet(Active Const | ruction): Time: | ; In-place; Pe | rforming properly | |
| Boom at Canal Outlet(Active Constru | iction): Time: | ; In-place; Pe | rforming properly | |
| 3) Assessment of Water Quality at | Pump Discharge (Ac | tive Construction):: | | |
| Time:; sheens; | turbidity: | /NTI | U unacidified /acidified | |
| Time: ; sheens; | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off t | ime: | Pumping duration since las | st inspection: | |
| By-Pass pump; Time: Suc | tion secure;V | Vater Depth at Suction: | ft | |
| Discharge secure; Disc | harge hose; leakage | ; signs of wear; | couplings; | |
| 5) Seeps, Sheens, or NAPL in canal | and wetlands. Reco | rd time, observation loca | tion (transect and offset from | |
| west bank), approximate elevation. Alobies Ord Shrins observed of The | description (rate, vo | lume, area), and action to | aken (if any). Onbe (upon removel) → DOC | |
| "active" release are win pool; placed | 60 of boon and pads | 1,3 locations in cond o | 1 ~ TIO+70 ~ 40€ dw. | |
| "active" release area whin pool; placed 60' of boom and pads; 3 locations in cond of "TIO+70" 40 f of w. Chib, "TII+05" 35 f of w. Chib, 3 "TII+05", "45 f of w chib (isolated by remaining ice. "no active release, cheened); all within boomed area; minar sheen release observed at "TIO+05 along w. anabling (within boomed area) 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial l | ONAPL level (fbtoc) | DNAPL removed (gal.) | Final DNAPL level (fbtoc) | |
| #1 | | | | |
| #2 | , | | | |
| #3 | | | | |
| 7) Water Control Structures at Ou | ıtlet: | | | |
| Structure type (circle one): flash | n boards w | ater filled cofferdam | sand berm | |
| Lake side; Retained water depth: | feet Height of | structure above water surf | ace:feet | |
| Seepage: ; Con | | | | |
| Canal side; Retained water depth: | | | | |
| Seepage:; Cor | | | | |
| K:\I-0870-1\NAPL response strategy\1210W | | | | |

| DATE: 21/1/09 INSPECTOR: JMV WEATHER: ONCOST OF THE | | | | |
|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: Colm | | | | |
| TEMPERATURE (degrees F): <u>~40°</u> ACTIVE CONSTRUCTION: <u>N</u> (Y/N) | | | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | | | | |
| Canal Stage measurement time: <u>091S</u> Canal Reference Point objective and Elevation <u>96.5</u> ft NGVD | | | | |
| Canal Water Elevation <u>S3</u> ft; <u>97.03</u> ft NGVD | | | | |
| Lake Stage time: 0915 Lake Water .S3 ft above below weir crest (96.5 ft NGVD); 97.03 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time:;Location:; PID reading: ppmV; Background: ppmV | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: \(\frac{11\S}{\}\); In-place \(\frac{\sigma}{\}\); Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1117; In-place ; Performing properly | | | | |
| Boom at Transect T-12+00: Time: 1119; In-place; Performing properly | | | | |
| Boom at pump intake(Active Construction): Time:; In-place; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time:; In-place; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens; turbidity:/NTU unacidified /acidified | | | | |
| Time:; sheens; turbidity:/NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Tightwad and Saura 2 Sections of base form of 79730; pulled and saura had been to east bank; light | | | | |
| How MAR strend survey from 711+00 to T11+50; 3 rainbow stren reices areas along wist book at | | | | |
| adoingly veloce area: vointing their release of release of THAIN - 3AF of with realisting to THAIN and a shows | | | | |
| original velocities of painting their release of the of the original continuations. The open - stress on surface into release of surface into release of randow sheets with method gestricted of 1714+18 - encapsulated of NAPL Pressure Relief Wells (Active Construction): with surp - see PSCS PCM (B 12), pg. 106-108 for more attacks | | | | |
| | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #1 | | | | |
| #2 | | | | |
| [#3 | | | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage: ; Condition: ; Alignment | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | |

K:\1-0870-1\NAPL response strategy\1210West Bank Cap Environmental inspectionekecklist.doc

| DATE: 4/6/04 INSPECTOR: JMV WEATHER: DOLLY CLOUDY | | | | |
|---|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: Slight Suma | | | | |
| TEMPERATURE (degrees F): ACTIVE CONSTRUCTION: N (Y/N) | | | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | | | | |
| Canal Stage measurement time: 0900 Canal Reference Point above and Elevation 96.5 ft NGVD | | | | |
| Canal Water Elevation 1.4 ft; 97.9 ft NGVD wer crest | | | | |
| Lake Stage time: 0900 Lake Water 1.4 ft above/below weir crest (96.5 ft NGVD); 97.9 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time : ;Location: ;PID reading: ppmV; Background: ppmV | | | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 1000; In-place; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1002; In-place ; Performing properly / | | | | |
| Boom at Transect T-12+00: Time: 1005; In-place; Performing properly | | | | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time:; sheens;turbidity:/NTU unacidified /acidified | | | | |
| Time:; sheens; turbidity: /NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). A few minor Shens in T14+00 containment pool; one release of NAA globals & Shens | | | | |
| along blow no located to the north of the original release original ~TIO-35 ~Swd west with | | | | |
| Caused by wellthy a top of cap innundated by well | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | | | |
| #1 | | | | |
| | | | | |
| #2 | | | | |
| #3 | | | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage: ; Condition: ; Alignment | | | | |
| | | | | |
| Canal side; Retained water depth: feet Height of structure above water surface: feet Seepage:; Condition:; Alignment | | | | |

| | DATE: 4/15/04 INSPECTOR: JMV, DMM | WEATHER: <u>SUNN</u> | |
|---|---|--|--|
| | PRECIPITATION IN PREVIOUS 24 HOURS: | | |
| | TEMPERATURE (degrees F): 446 ACTIVE CONS | | |
| | Ice thickness in Canal circa T9:inches S | | |
| | Canal Stage measurement time: 1115 Canal Reference | Point abuting and Elevation 48.0 ft NGVD | |
| | Canal Stage measurement time: 1115 Canal Reference Canal Water Elevation abd mt; 98.1 ft NGVE | abulment 104-15-04 | |
| | Lake Stage time: 1115 Lake Water _ 1 ft abo | | |
| | 1) Air quality (Active Construction): | | |
| | Time ; ;Location: ; PID reading: | ppmV; Background: ppmV | |
| | Time : ;Location: ; PID reading: | ppmV; Background:ppmV | |
| | 2) Environmental Controls: | | |
| | Sorbent Boom at Transect T-7: Time: | :47; In-place ; Performing properly | |
| | Boom/Curtain at Transect T-9+30: Time: | :53; In-place; Performing properly | |
| | Boom at Transect T-12+00: Time: | :53; In-place ; Performing properly | |
| | Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly | |
| | Curtain at Canal Outlet(Active Construction): Time: | ; In-place ; Performing properly | |
| | Boom at Canal Outlet(Active Construction): Time: | ; In-place; Performing properly | |
| | 3) Assessment of Water Quality at Pump Discharge (Ac | | |
| | Time:; sheens; turbidity: | | |
| į | Time: ; sheens; turbidity: | / NTU unacidified/acidifed | |
| | 4) Pumping Systems: | | |
| | Pump on time: Pump off time: | | |
| | By-Pass pump; Time: Suction secure; | - | |
| | Discharge secure;Discharge hose; leakage | | |
| | 5) Seeps, Sheens, or NAPL in canal and wetlands. Reco | | |
| | west bank), approximate elevation, description (rate, vo | olume, area), and action taken (if any). | |
| | suface within T14 containment pool, sheers rele | losed from TIS Conforment pool where | |
| | probed but no measurable DUAPE | | |
| | 6) NAPL Pressure Relief Wells (Active Construction): | | |
| | | DNAPL removed (gal.) Final DNAPL level (fbtoc) | |
| | #1 | Divine temoved (gaily) I man Divid Divid (1989) | |
| | #2 | | |
| | #3 | | |
| | 7) Water Control Structures at Outlet: | | |
| | Structure type (circle one): flash boards | vater filled cofferdam sand berm | |
| | Lake side; Retained water depth: feet Height o | | |
| | Seepage:; Condition: | - | |
| | Canal side; Retained water depth: feet Height o | | |
| | Seepage:; Condition: | | |
| | | | |

| PREC | | 1 DO 1 O 1 C | <u>, r. i</u> | WEATHER | c, <u> </u> | 80 |
|--|---|--|---|--|---|-------------|
| | IPITATION IN PREV | 71OUS 24 HOURS | W: | IND DIRECTION/SPEE | D: >10 mph SE wind | , est = |
| TEMP | PERATURE (degrees) | F): <u>'76' </u> | TIVE CONS | TRUCTION:_N(Y/ | N): | <u>\$</u> |
| Ice thi | ickness in Canal circa | T9: | inches St | now depth circa T9: | inches | wat temp. |
| Canal | Stage measurement tir | me: 0839 Cana | 1 Reference | now depth circa T9: Point_weir and Elevat | tion 98 ft NGVD | Ź |
| Canal | Water Elevation |) ft; weir 98. | <u>.ø′</u> ft ngvd | abulment | | _ |
| Lake S | Stage time: | 0900 Lake Water | ft abo | abulment weir obutment ove/below weir exest (96.5 | ft NGVD); <u>98.0</u> ft | NGV |
| | quality (Active Cons | | | (V) 4-20-04 | | |
| Time_ | :;Location: _ | ; PID | reading: | ppmV; Background | l:ppmV | |
| Time_ | : ;Location: | ; PID | reading: | ppmV; Background | l:ppmV | |
| 2) Env | vironmental Controls | s: | | | | _ |
| Sorber | nt Boom at Transect T | -7: | Time:_// | ?/; In-place ✓ ; Pe | erforming properly | |
| Boom/ | /Curtain at Transect T- | -9+30: | Time: | 03 ; In-place ; Pe | erforming properly | |
| Boom | at Transect T-12+00: | | Time: | in-place; Pe | erforming properly | |
| Boom | at pump intake(Active | e Construction): | Time: | ; In-place; Pe | erforming properly | |
| Curtai | n at Canal Outlet(Acti | ve Construction): | Time: | ; In-place; Pe | erforming properly | |
| Boom | at Canal Outlet(Active | e Construction): | Time: | ; In-place; Pe | erforming properly | |
| 3) Ass | sessment of Water Qu | iality at Pump Di | scharge (Ac | tive Construction):: | | |
| Time:_ | ; sheens; | turbie | dity: | NT | U unacidified /acidified | l |
| Time:_ | ; sheens; | turbi | dity: | NT | U unacidified/acidifed | |
| 4) Pur | mping Systems: | | | | | |
| -, - un | | | | | | |
| • | on time: Pr | ump off time: | | Pumping duration since la | st inspection: | |
| Pump | | - | | Pumping duration since la Vater Depth at Suction: | - | <u>-</u> |
| Pump By-Pas Discha | ss pump; Time:arge secure; | Suction secur Discharge hos | re;V se; leakage | Vater Depth at Suction:; signs of wear; | ft couplings; | |
| Pump By-Pas Discha 5) Seep west b | ss pump; Time:arge secure; ps, Sheens, or NAPL pank), approximate e | Suction secur Discharge hos in canal and wet levation, description Lot temp : 40° | re;V se; leakage lands. Reco ion (rate, vo @ | Water Depth at Suction: | ft couplings; tion (transect and offs | |
| Pump By-Pas Discha 5) Seep west b S(C | ss pump; Time:arge secure;ps, Sheens, or NAPL pank), approximate e official Sheet b | Suction secur Discharge hos in canal and wet levation, descript John temp : | re;Vee; leakage_ lands. Reco ion (rate, vo @0037 struction): | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t | ftcouplings; tion (transect and offs aken (if any). | set fro |
| Pump By-Pas Discha 5) Seep west b S(C | ss pump; Time:arge secure; ps, Sheens, or NAPL pank), approximate e | Suction secur Discharge hos in canal and wet levation, descript John temp : | re;Vee; leakage_ lands. Reco ion (rate, vo @0037 struction): | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t | ftcouplings; tion (transect and offs aken (if any). | set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(() NA Well | ss pump; Time:arge secure;ps, Sheens, or NAPL pank), approximate e official Sheet b | Suction secur Discharge hos in canal and wet levation, descript John temp : | re;Vee; leakage_ lands. Reco ion (rate, vo @0037 struction): | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t | ftcouplings; tion (transect and offs aken (if any). | set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(C) 6) NA Well #1 | ss pump; Time:arge secure;ps, Sheens, or NAPL pank), approximate e official Sheet b | Suction secur Discharge hos in canal and wet levation, descript John temp : | re;Vee; leakage_ lands. Reco ion (rate, vo @0037 struction): | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t | ftcouplings; tion (transect and offs aken (if any). | set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(C) NA Well #1 #2 | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e official Sheet PL Pressure Relief V Water level (fbtoc) | Suction secur Discharge hose in canal and wet levation, descript for 10 wells (Active Con Initial DNAPL le | re;Vee; leakage_ lands. Reco ion (rate, vo @0037 struction): | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t | couplings; tion (transect and offsaken (if any). Final DNAPL level (| set fro |
| Pump By-Pas By-Pas Discha 5) See west b S(L 6) NA Well #1 #2 #3 | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e offocked Sheet APL Pressure Relief V Water level (fbtoc) | Suction secur Discharge hose in canal and wether the security of the security | re;Vee; leakagelands. Recoion (rate, vo | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action to DNAPL removed (gal.) | couplings; tion (transect and offsaken (if any). Final DNAPL level (| set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(L 6) NA Well #1 #2 #3 7) Wa Structu | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e OHOUNG Sheet APL Pressure Relief V Water level (fbtoc) ater Control Structur ure type (circle one): | Suction secur Discharge hos in canal and wet levation, descripti John temp: 40° Wells (Active Con Initial DNAPL le | re;Vee; leakage lands. Reco ion (rate, vo @ | Vater Depth at Suction:; signs of wear;rd time, observation loca lume, area), and action to DNAPL removed (gal.) ater filled cofferdam | couplings; tion (transect and offsaken (if any). Final DNAPL level (| set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(C. 6) NA Well #1 #2 #3 7) Wa Structu Lake si | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e offocked Sheet) APL Pressure Relief V Water level (fbtoc) ater Control Structure ure type (circle one): side; Retained water de | Suction secur Discharge hose in canal and wet levation, descript John temp : 40 Wells (Active Con Initial DNAPL le res at Outlet: flash boards epth:feet | re;V se; leakage lands. Reco ion (rate, vo @0037 struction): evel (fbtoc) W Height of | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t DNAPL removed (gal.) ater filled cofferdam structure above water surf | couplings; ction (transect and offsaken (if any). Final DNAPL level (sand berm face:feet | set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(L 6) NA Well #1 #2 #3 7) Wa Structu Lake si Seepag | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e offocked Sheet APL Pressure Relief V Water level (fbtoc) ater Control Structur ure type (circle one): side; Retained water de | Suction secur Discharge hose in canal and wet levation, description of the form of the levation of the levatio | re;Vee; leakagelands. Recoion (rate, vo@ | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action to DNAPL removed (gal.) ater filled cofferdam structure above water surf ; Alignment; | couplings; tion (transect and offsaken (if any). Final DNAPL level (sand berm ace:feet | set fro |
| Pump By-Pas By-Pas Discha 5) Seep west b S(L 6) NA Well #1 #2 #3 7) Wa Structu Lake si Seepag Canal s | ss pump; Time: arge secure; ps, Sheens, or NAPL pank), approximate e Official Sheet APL Pressure Relief V Water level (fbtoc) ater Control Structure ure type (circle one): side; Retained water dege: side; Retained water dege: | Suction secur Discharge hose in canal and wet levation, descript John temp : 10 Wells (Active Con Initial DNAPL le res at Outlet: flash boards epth:feet; Condition: lepth:fee | re;V se; leakage lands. Reco ion (rate, vo @ | Vater Depth at Suction:; signs of wear; rd time, observation loca lume, area), and action t DNAPL removed (gal.) ater filled cofferdam structure above water surf | couplings; ction (transect and offsaken (if any). Final DNAPL level (same and bermal ace:feet | set fro |

| | 144 | PSCS Napl Release Descriptions; observed 4/19/04 |
|----------|---------------|--|
| | Offset (from | and the control of th |
| Transect | w. cribbing): | Observations: |
| | | Light LNAPL sheens associated with methane gas release at a 2 minute frequency; |
| T14+10 | 5' W | lasting app. 10 sec |
| | | Rainbow LNAPL sheens; some releases associated with intermittent methane gas |
| ļ | | release; LNAPL release at a frequency of 15-30 sec; methane gas release at a |
| T14+17 | 4' W | frequency of 45 sec, lasting app. 5 sec |
| | | Rainbow LNAPL sheens associated with methane gas release at a 15 sec frequency; |
| T11+15 | 30' E | lasting app. 15 sec |
| T11+05 | 25' E | Rainbow LNAPL sheen release at a frequency of 20 sec; lasting app. 10 sec |
| T10+50 | 25' E | Continous "clean" release of methane gas bubbles |
| | | |
| 1 | | Methane gas release; as methane gas bubble break on the surface of the water they |
| T10+53 | 60' E | release LNAPL rainbow sheens at a frequency of 45 sec; lasting about 5-10 sec |
| | | Methane gas release at two locations; as methane gas bubble break on the surface of |
| | | the water they release LNAPL rainbow sheens at a frequency of 20 sec; lasting about |
| T11+25 | 20' E | 5-10 sec |
| | | |
| | | Methane gas release; as methane gas bubble break on the surface of the water they |
| T11+15 | 35' E | release LNAPL rainbow sheens at a frequency of 2-3 min; lasting about 2 sec |
| T9+85 | 15' E | LNAPL rainbow sheens observed on water surface, origin unknown |

K:\1-0870-1\NAPL release info\observations41904.xls

| DATE: 4/22/04 INSPECTOR: JMV | WEATHER: DONLY SUNY |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS | S:WIND DIRECTION/SPEED: > 10 mph <6 wind |
| TEMPERATURE (degrees F): 60° ACT | |
| Ice thickness in Canal circa T9: | inches Snow depth circa T9: inches |
| Canal Stage measurement time:1005_ Cana | al Reference Point wer and Elevation 98.0 ft NGVD |
| Canal Water Elevation Off; 98.5 | a NOVO abutinent |
| Lake Stage time: 1005 Lake Water | abutment O ft allove/below weir erest (96.5 ft NGVD); 98.0 ft NG |
| 1) Air quality (Active Construction): | Ø 4/23/04 |
| , | reading:ppmV; Background:ppmV |
| | reading:ppmV; Background:ppmV |
| 2) Environmental Controls: | · · · · · · · · · · · · · · · · · · · |
| Sorbent Boom at Transect T-7: | Time: 1045; In-place ; Performing properly |
| Boom/Curtain at Transect T-9+30: | Time: 1047; In-place; Performing properly |
| Boom at Transect T-12+00: | Time: 1050; In-place ; Performing properly |
| Boom at pump intake(Active Construction): | Time: ; In-place ; Performing properly |
| Curtain at Canal Outlet(Active Construction): | Time: ; In-place ; Performing properly |
| Boom at Canal Outlet(Active Construction): | Time: ; In-place ; Performing properly |
| 3) Assessment of Water Quality at Pump Di | scharge (Active Construction):: |
| Time: ; sheens; turbic | dity:/ NTU unacidified /acidified |
| | dity:/ NTU unacidified/acidifed |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: | Pumping duration since last inspection: |
| By-Pass pump; Time: Suction secur | re; Water Depth at Suction: ft |
| Discharge secure;Discharge hos | se; leakage ; signs of wear; couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wet | lands. Record time, observation location (transect and offset for |
| | ion (rate, volume, area), and action taken (if any). |
| | info; please note: water temp @ 1045.51°; ho |
| marine gos velleses were observed | I during NAMI inspection |
| | |
| 6) NAPL Pressure Relief Wells (Active Con | struction): |
| Well Water level (fbtoc) Initial DNAPL le | evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc |
| #1 | |
| #2 | |
| #3 | |
| 7) Water Control Structures at Outlet: | |
| Structure type (circle one): flash boards | water filled cofferdam sand berm |
| | Height of structure above water surface:feet |
| | ; Alignment |
| | t Height of structure above water surface:feet |
| | ; Alignment |
| K:\1-0870-1\NAPL response strategy\1210West Bank Cap E | |

| P | | Descriptions; observed 4/22/04 |
|-----------|----------------------------|---|
| Transect: | Offset (from w. cribbing): | Observations: |
| | | Rainbow LNAPL sheen release at a frequency of 1-2 min; |
| T14+10 | 5' W | lasting app. 2 sec |
| | <u> </u> | Rainbow LNAPL sheen release at a frequency of 20-40 sec; |
| T14+17 | 4' W | lasting app. 2 sec |
| T14+00 | 4' W | No active releases observed; 3" of rainbow sheens on probe upon removal; methane gas and LNAPL rainbow sheens releases to water surface |
| T11+10 | 40' E | Rainbow LNAPL sheen release at a frequency of 50 sec; lasting app. 5 sec |
| T11+20 | 25' E | Rainbow LNAPL sheen release at a frequency of 3 min; lasting app. 5 sec |
| T11+15 | 35' E | Rainbow LNAPL sheen release at a frequency of 30 sec to 1 min; lasting app. 15 sec |

K:\1-0870-1\NAPL release info\observations42204.xls

| | - 1101 IIV | SPECTOR: JW. | <u>πwk. </u> | | |
|--|---|--|---|--|--|
| PKEUI | | | | | EED: <u>20-30 mah</u> 5W wind |
| | | _ | | TRUCTION: N | g . |
| | · • | | | • | inches |
| Canal ! | Stage measurement ti | me: /)940 Canal | Reference l | Point Weir and El | evation 98 ft NGVD |
| Canal ' | Water Elevation 2" | bulow 97.83 | ft NGVD | abutment obutme | |
| Lake S | tage time: 0940 | Lake Water | — 2° ft abo | ve/below weir crest (9 | 4 6.5 ft NGVD); <u>9793</u> ft NGVD |
| | quality (Active Con | | | 2-c-04 | // |
| • | ' | • | reading: | | ound:ppmV |
| | | | | | ound:ppmV |
| | ironmental Control | | , , , , , , , , , , , , , , , , , , , | | |
| , | t Boom at Transect T | • | Time: 1/6 | 25 : In-place | ; Performing properly |
| Boom/ | Curtain at Transect T | - 9+30: | | | ; Performing properly |
| Boom | at Transect T-12+00: | | | - | ; Performing properly |
| Boom: | at pump intake(Active | e Construction): | | | ; Performing properly |
| | n at Canal Outlet(Acti | • | | | ; Performing properly |
| | at Canal Outlet(Activ | • | - | - | ; Performing properly |
| | • | ŕ | · · · | tive Construction):: | |
| • | _ | • | • ` | · | NTU unacidified /acidified |
| | | | - | | _NTU unacidified/acidifed |
| | aping Systems: | | | · · · · · · · · · · · · · · · · · · · | |
| • | | ump off time: | | Pumping duration sine | ce last inspection: |
| | | | | Vater Depth at Suction | |
| _ | | | | - | couplings; |
| | 2 | _ | | - | location (transect and offset fron |
| 5) Seer | os, Sheens, or NAPL | | | · · - · · · · · · · · · · · · · | |
| west b | ank), annrovimate e | levation, description | o n (rate, v o. alb.: T14+10 | lume, area), and acti released LNAC rele | on taken (if any). bow Shans ~way 30 sac-min |
| west b | ank), annrovimate e | levation, description of the second of the s | on (rate, vo nlh; T14+10 : 3* of shrev | lume, area), and acti villosed LNAL colors os On probe in oxigine | on taken (if any). bow shairs "every 30 sec-min (no ocive rives) 1 7/400 yeliose, ara; 7/1430 |
| west b | ank), annrovimate e | levation, description of the second of the s | on (rate, vo nlh; T14+10 ; 3° of Sheer nu ges; T11 | lume, area), and action of the problem of the probl | on taken (if any). bow shruns "every 30 sec-min (no only riless) 1 174 too yeliose, ara; T1430 142, min) w Shan xekise; T11 65 156 |
| west ba T/4+)* (Somul 50 € methor | ank), approximate e) rulease of confe inus associated with confe rollings upon shens upon ges rulease, confe in | Minbow Solens ~ 1 h Milhou as relices) ease ~ way 10 sec) Associated with mathe sold as butiles ~ ba | nlln; T14+10 ; 3° of sheer nu gas; T11 at it surface | lume, area), and action released the released to release which is a received to the release to t | on taken (if any). bow strans "every 30 sec-min (no octive release, TH-30 my 2, min) w stran release, TH-65, 15'6 ge "every 15-20 sec) |
| west be T/4+)* (Somulting 50 €' methon 6) NA | ank), approximate e) (Kast of CNAC) Augustians associated with CNAC alama shers L ges release, LAME in PL Pressure Relief | Dinbow Soluns ~ 1 m Middou as release) eas ~ uni 10 se) Associated with maine side ges buttles ~ be Wells (Active Cons | nlh; T14+10 ; 3° of Spec on gos; T11 ot & Survey struction): | released Luna roly os On probe in origina +10,366 Lunal rollo of release sheem (release | bow strains "every 30 sec-min" (no octive railess) 1 174-00 yeliose arra; T1H-30 142, min) w strain release; T1H-65, 156 ge "every 15-20 sec) |
| west be T/4+)" (Somul 50€' methon 6) NA | ank), approximate e) (Kast of CNAC) Augustians associated with CNAC alama shers L ges release, LAME in PL Pressure Relief | Dinbow Soluns ~ 1 m Middou as release) eas ~ uni 10 se) Associated with maine side ges buttles ~ be Wells (Active Cons | nlh; T14+10 ; 3° of Spec on gos; T11 ot & Survey struction): | released Luna roly os On probe in origina +10,366 Lunal rollo of release sheem (release | on taken (if any). John Shains Levery 30 sec-min (no octive reliese) 174 too yeliese, area; T1H-30 193, min) 25 shain reliese; T1H-65, 15'6 32 Level (fbtoc) al.) Final DNAPL level (fbtoc) |
| west b: T/4+)* Csome 50€ methon 6) NA Well | ank), approximate e) (Kast of CNAC) Augustians associated with CNAC alama shers L ges release, LAME in PL Pressure Relief | Dinbow Soluns ~ 1 m Middou as release) eas ~ uni 10 se) Associated with maine side ges buttles ~ be Wells (Active Cons | nlh; T14+10 ; 3° of Spec on gos; T11 ot & Survey struction): | released Luna roly os On probe in origina +10,366 Lunal rollo of release sheem (release | bow strains "every 30 sec-min (no octive release) TIH30 my -, min) w strain release TIH6S, IS6 se "every 15-20 sec) |
| west b: T 4+)* (Somet 50€ methon 6) NA: Well #1 | ank), approximate e) (Kast of CNAC) (AUS) AUS associated with CNAC alama she's L ges rikost, LNAC in PL Pressure Relief | Dinbow Soluns ~ 1 m Middou as release) eas ~ uni 10 se) Associated with maine side ges buttles ~ be Wells (Active Cons | nlh; T14+10 ; 3° of Spec on gos; T11 ot & Survey struction): | released Luna roly os On probe in origina +10,366 Lunal rollo of release sheem (release | bow strains "every 30 sec-min" (no octive railess) 1 174-00 yeliose arra; T1H-30 142, min) w strain release; T1H-65, 156 ge "every 15-20 sec) |
| west b: T 4+)* (Sometangle) 50€' methon 6) NA Well #1 #2 #3 | ank), approximate e) (class of come income associated with CANAL colored with a ges release, come in PL Pressure Relief Water level (fbtoc) | Minbow Solves ~ 1 h s - 6 million as relical) as with one as relical) associated with mishes side ges bubbles - be Wells (Active Cons Initial DNAPL le | nlh; T14+10 ; 3° of Spec on gos; T11 ot & Survey struction): | released Luna roly os On probe in origina +10,366 Lunal rollo of release sheem (release | bow strens "every 30 sec-min" (no octive release) 174-00 yellose area; T1H-30 142, min) w stren release; T1H-65, 15'6 ge "every 15-20 sec) |
| west b: T/4+)* Csometano 50€' methon 6) NA Well #1 #2 #3 7) Wa | ank), approximate e) (clease of const inverse associated with water level (fbtoc) ter Control Structure ter Control Structure | Minbow Solves ~ 1 h Millou as release) Millou as release) Associated with method Side ges bubbles ~ be Wells (Active Cons Initial DNAPL leves at Outlet: | nlh; T14+10; 3° of sheer nu gas; T11 ot & survey struction): vel (fbtoc) | released Lina rolp of the probability of the property of the probability of the probabili | bow strens "every 30 sec-min" (no octive release) THYON release area; THY30 THY Shah release; THY65, IS'6 Be "every 15-20 sec) al.) Final DNAPL level (fbtoc) |
| west b: T/4+)* Csometante So € methon 6) NA Well #1 #2 #3 7) Wa Structur | ank), approximate e) (clease of conference) inver associated with Lype volume shelps Lype ges release, which PL Pressure Relief v Water level (fbtoc) ter Control Structure re type (circle one): | Minbow Shins ~ I he will the second of the s | nlh; T14+10 ; 3° of sheer m. 995; Til ot & surou struction): vel (fbtoc) | Trelessed Lina oly original of the problem of the p | show shows "every 30 sec-min" (no octor rivers) 174 too reliese, are: TIH30 112, min 25 too reliese; TIH6S, IS6 3c "every 15-20 sec) sal.) Final DNAPL level (fbtoc) sand berm |
| west ba T/4+) Somet Soe methor 6) NA Well #1 #2 #3 7) Wa Structu Lake si | ank), approximate e) (clease of const invs associated with L ges release, which PL Pressure Relief Water level (fbtoc) ter Control Structure re type (circle one): de; Retained water de | milian as release) milian as release) associated with methossic ges buttles be Wells (Active Cons Initial DNAPL lever at Outlet: flash boards epth:feet | nlh; T14+10 ; 3° of sheer m. gps; Tli ot & surou struction): vel (fbtoc) W Height of | Tellosed Lina of the property | sand berm surface: feet |
| west ba T/4+) ^r (Sometone) 6) NA Well #1 #2 #3 7) Wa Structu Lake si Seepag | ank), approximate e) (clease of const. invs associated with t ges release, const. in PL Pressure Relief Water level (fbtoc) ter Control Structure re type (circle one): de; Retained water de e: | res at Outlet: flash boards printing: flash boards printing: flash boards printing: flash cards flash cards flash cards printing: flash cards flash cards flash cards printing: flash cards | nin; T14+10 ; 3° of sheer nu gas; Till ot & surface struction): vel (fbtoc) W Height of | Tellosed Lina of the property | sand berm surface: feet |

| | DATE: | 5=3 | 3-04_ins | PECTOR: | 2.111 | YNAR | \mathcal{D} | WEA' | THER: | vercast | 5/nei | ve15 |
|-------------|-----------------------|---------------------------|--|----------------|-----------------|---------------|-----------------|---------------------------------------|-----------------|------------------|--|---------------------------------------|
| <i>,</i>)) | PRECI | PITATI | ON IN PREV | OUS 24 HO | OURS: | V | IND D | IRECTION/S | PEED:O | - 5mp | HNW | |
| ٠. | | | IRE (degrees l | | | | | | | , | | |
| | Ice thic | kness i | n Canal circa | 19: NONE | - - | inches S | now dep | oth circa T9: | NONE | ·i | inches | |
| | Canal S | Stage m | easurement tir | ne: 7:20 | Canal I | Reference l | Point_ <i>E</i> | 10:11 10:67 and 1 | Elevation | 6.5 f | t NGVD | |
| | Canal V | Water E | levation <i>O.G</i> | 5 ft; 97, | <i>35</i> | ft NGVD | ٠ ، | Nate TEM | paraher | 0 60% | = | |
| | Lake S | tage tim | ne: 7:20 | Lake W | ater 0.4 | 35 ft abo | ve/belo | w weir crest (| 96.5 ft No | GVD); 9 3 | <i>7,35</i> ft | NGVD |
| | | | (Active Cons | | | | | | ` | ,,, | | |
| | • | | ;Location: _ | • | ; PID re | ading: | 1 | ppmV; Backg | round: | | ppmV | |
| | Time_ | : | :Location: _ | | ; PID re | ading: | 1 | ppmV; Backg | round: | | ppmV | |
| | 2) Env | ironme | ntal Controls | : | | | | • | | | | |
| | Sorben | t Boom | at Transect T | 7: | | Time: 10 | 120: | In-place | ; Perfor | ming prop | perly | Wisheen S |
| | Boom/ | Curtain | at Transect T- | 9+30: | | | | In-place / | | | | |
| | Boom | at Trans | ect T-12+00: | - 4 4 | | Time: 9 | <i>'30</i> , | In-place | ; Perfor | ming prop | perly you | coed on NS |
| | Boom (| at pump | intake(Active | Long you | a): | Time: <u></u> | <u>'40</u> ; | In-place | ; Perfor | ming prop | perly / | MONSheris |
| | Curtain | ı at Can | TIA POOL al Outlet(Acti | ve Construct | on): | Time: 10 | 100 | In-place V | ; Perfor | ming prop | perly 77% | ove as NOSIO |
| | Booma | at Canal | Outlet(Active | Constructio | | | | In-place 🚧 | | | | |
| | 3) Asse | essment | of Water Qu | ality at Pun | ip Disc | harge (Ac | tive Co | nstruction):: | | | | |
| | Time:_ | | _; sheens; | - | turbidit | y: | / | | _NTU ut | nacidified | /acidified | l |
| | | | _; sheens; | | | | | | | | | |
| • , | 4) Pun | ping S | ystems: | | | | | | | | | |
| | Pump o | on time: | Pu | ımp off time: | | | Pumpin | ng duration si | nce last in | spection: | | |
| | By-Pas | s pump; | ; Time: | Suction | secure; | V | Vater D | epth at Suctio | n: | | _ft | |
| | Dischar | rge secu | re; | Discharg | ge hose; | leakage | ; | signs of wea | r; | coupling | <u> 58;</u> | |
| | 5) Seep | s, Shee | ns, or NAPL | in canal and | l wetlar | ids. Reco | rd time | , observatio | ı location | (transec | t and off: | set from |
| | west ba | ank), ap | oproximate el | evation, des | cription | ı (rate, vo | lume, a | rea), and ac | tion taker | (if any). | | e e l'anne |
| no taken | 15/0 | of Co | Pools West | S DODAGO | | 174750 | 1221 24 | 3-1 WCB1 | 1000 | College ! | BIHALU | oneens |
| ruinnya | JHECK | 6 M | TOURS WESTE | To alternation | <u> </u> | 1.00 Am | 14572 | had of the | 1735 | 20,5W | <u>, 1 /.585</u> | 5,4°W |
| POLINDA | <u>sheen</u> Sheen |) Si (1 3 | <i>used from</i> ke <i>j + rajnbo</i> ssure Relief V | EOST CVII | of the | 11/2 0/12/ | ging i teYnt | 0001 OVEN. ANUS FOO | DUWIC M FIVE | Location | zi. 1914 besti | veen |
| _ | 6) NA | PL Pre | ssure Relief V | Vells (Active | Consti | uction): | 77/140 | 0,20 E on | d TILLE | 0,351 | E. NO E | wbbles. |
| | Well | Water | level (fbtoc) | Initial DNA | PL leve | el (fbtoc) | DNA | PL removed (| gal.) Fi | nal DNAI | ?L level (: | fbtoc) |
| | #1 | | | | | | | | | | | |
| Ī | #2 | | | | , | · | | | | | | |
| Ī | #3 | | | | | | | | | | - | |
| L | 7) Wa | ter Con | trol Structur | es at Outlet: | NON | <u> </u> | l | | · · · · · · | | | · · · · · · · · · · · · · · · · · · · |
| | Structu | re type | (circle one): | flash boa | ırds | w | ater fille | ed cofferdam | | sand berr | m | |
| | Lake si | de; Reta | ained water de | pth: | feet | Height of | structu | re above wate | r surface: | | feet | |
| | | | | | _ | _ | | · · · · · · · · · · · · · · · · · · · | | <u> </u> | | |
| • | | | tained water d | | | | | | | | | |
| | Seepage | e: | | ; Condition | on: | · | ; 4 | Alignment | | | | |

K:\1-0870-1\NAPL response strategy\1210West Bank Cap Environmental inspectionckecklist.doc

| DDTC | : <u>5/11/04</u> INS | SPECTOR:J | 4V | WEATI | HER: party clou | 1014 <u>7</u> |
|---|---|--|---|--|--|--|
| PKEU | IPITATION IN PREV | IOUS 24 HOUR | is: us w | IND DIRECTION/SP | EED: <u>Calm</u> | 1 0 |
| | | | | TRUCTION: N | | <u>\$</u> |
| Ice this | ckness in Canal circa | T9: | inches Si | now depth circa T9: Point wei and Ele Obvirontabutma | ir | 17 60 admit atom |
| Canal | Stage measurement tii | me: <u>0854</u> @ar | al Reference J | Point wei and El | evation <u>98</u> ft | NGVD 🕏 |
| Canal | Water Elevation 1.0 | 8 ft; 96.9: | ft NGVD | obulment abutmu | nt | \$ |
| | | | | ve/below/weir crest (9) | 6.5 ft NGVD); <i>96</i> | |
| | quality (Active Cons | | | Ø 5-11-1 | 9 4 | |
| Time_ | : ;Location: | ; PU | D reading: | ppmV; Backgro | ound:r | pmV |
| Time_ | :;Location:_ | ; PU | D reading: | ppmV; Backgro | ound: p | ppmV |
| 2) Env | vironmental Controls | s: | | | | |
| Sorber | nt Boom at Transect T | -7: | Time:_/00 | 01 ; In-place 🗸 | ; Performing prop | erly |
| Boom/ | Curtain at Transect T | - 9+ 30: | Time:_/// | 05_; In-place | ; Performing prop | erly |
| Boom | at Transect T-12+00: | | Time:_ <i></i> | <u>0</u> ∩; In-place ∠ | ; Performing prop | erly |
| Boom | at pump intake(Active | e Construction): | Time: | ; In-place | ; Performing prop | erly |
| Curtair | n at Canal Outlet(Acti | ve Construction) | : Time: | ; In-place | ; Performing prop | erly |
| Boom | at Canal Outlet(Active | e Construction): | Time: | ; In-place | ; Performing prop | erly |
| 3) Ass | essment of Water Qu | ıality at Pump I |)ischarge (Ac | tive Construction):: | | |
| Time:_ | ; sheens; | turl | oidity: | | NTU unacidified | /acidified |
| Time:_ | ; sheens; | turl | oidity: | <u> </u> | NTU unacidified/ | acidifed |
| 4) Pur | nping Systems: | | | | | |
| Pump (| on time: Pi | ump off time: | | Pumping duration sinc | e last inspection: _ | |
| By-Pas | ss pump; Time: | Suction sec | ure; V | Vater Depth at Suction | : | ft |
| Discha | rge secure; | Discharge h | ose; leakage | ; signs of wear; | coupling | s; |
| 5) See | ps, Sheens, or NAPL | in canal and wo | etlands. Reco | rd time, observation l | location (transect | and offset from |
| | ank), approximate e | levation, descrip | otion (rate, vo | lume, area), and action | on taken (if any). | |
| west b | pool - small NAC sp | 1015 0 114-11 0 | | TO UND DEFINE YOUNG ONE | 70 10 11 11 | s'w of w onb |
| 774+00 | pool-small NAVL sp reinhow NAPL shans on | proconcurs p | cs release resul | Wing (clean); TII+17 p | 8 € 0 W. Cribbing -> | s'w of w. Onb muhan gas |
| 714+60 3° of 1 yduse | w/ 18 - 44" NAPL aldow | proce-metrae o u vosultine (losts | res release result Sees I min | introductive rations and is litting (clean); TIL+17, pa introducts); TIL+20,23° sot w. crib, methore got is closts 5 secc 15 sec. Intr | 8 € 0 to Cubbing → . 5 mahare as alo | mahan ges lase an resulting ght ware shans 06 of w. a.in mahan |
| 714+60 3" of 1 ydusu reinbo 6) NA | window NAPL shuns on w/ 1/8" - 44" NAPL globus NAPL Shun(loss" 5 so PL Pressure Relief 1 | proc+matice of u visulting (losts uce is see himsel) Wells (Active Co | See of min) The see of min) The see of min) The see of min) | (thm/clean); TI(+i); a introde): TI(+20.23 | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | muhan gos 1981 Ware Shurs 1961 Ware Shurs 1961 of w. w.h. muhan |
| Tig+60 3° of r rdust reinbo 6) NA Well | window NAPL shuns on w/ 1/8" - 44" NAPL globus NAPL Shun(loss" 5 so PL Pressure Relief 1 | proc+matice of u visulting (losts uce is see himsel) Wells (Active Co | See of min) The see of min) The see of min) The see of min) | (ting (clen); TI(+1); p intruits); TI(+20,23° s of w. crib, methou got i losts 5 sec G 15 sec. Intr | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | muhan gos 1981 Ware Shurs 1961 Ware Shurs 1961 of w. w.h. muhan |
| Tly+600 3° of 1 yduse reinbo 6) NA Well | window NAPL shuns on w/ 1/8" - 44" NAPL globus NAPL Shun(loss" 5 so PL Pressure Relief 1 | proc+matice of u visulting (losts uce is see himsel) Wells (Active Co | See of min) The see of min) The see of min) The see of min) | (ting (clen); TI(+1); p intruits); TI(+20,23° s of w. crib, methou got i losts 5 sec G 15 sec. Intr | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | methor gos lose al resulting light ware shows 06 of w. cuit mothor L level (fbtoc) |
| 714.60 3° of 1 yelusu reinbo 6) NA Well #1 | window NAPL shuns on w/ 1/8" - 44" NAPL globus NAPL Shun(loss" 5 so PL Pressure Relief 1 | proc+matice of u visulting (losts uce is see himsel) Wells (Active Co | See of min) The see of min) The see of min) The see of min) | (ting (clen); TI(+1); p intruits); TI(+20,23° s of w. crib, methou got i losts 5 sec G 15 sec. Intr | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | maker ges see al resulting ght ware shows 06 of w. cuit mother L level (fbtoc) |
| 714.60 3. of process reinboo 6) NA Well #1 #2 | window NAPL shuns on w/ 1/8" - 44" NAPL globus NAPL Shun(loss" 5 so PL Pressure Relief 1 | proc + method of the color of the process of the pr | See of min) The see of min) The see of min) The see of min) | (ting (clen); TI(+1); p intruits); TI(+20,23° s of w. crib, methou got i losts 5 sec G 15 sec. Intr | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | maker ges ask ut resulting ght ware shows 06 of w. crit maker L level (fbtoc) |
| 714.60 3. of process reinboo 6) NA Well #1 #2 #3 | Water level (fbtoc) | proc + method of costs are listing (losts are listered) Wells (Active Collinitial DNAPL res at Outlet: | See & I min J The 20 ~ 55 e onstruction): U | (thing (clean); TI(+1) paintness); TI(+20,23° color of the color of th | 8 E of W. Cubbing - E mathewe gos rate release w/ resulting li russ); T10+30, ~S | major gos lose al resulting light ware shows 06 of w. cuit mathen L level (fbtoc) |
| Tigreto 5' of r reinbe 6) NA Well #1 #2 #3 7) Wa Structure | Water level (fbtoc) Water Control Structure type (circle one): | proc + method go visualing (lasts ace is see thereta) Wells (Active Co Initial DNAPL res at Outlet: flash boards | See of min jo Till 20 55 construction): Colored (fbtoc) | (thing (clean); Til+1) paintenents); Til+20,23° intenents); Til+20,23° intenent got intenent got intenents sec. Intenents (gz | E mythan go rde E mythan go rde rdest w/ rositing li rus); T10+30, -5 al.) Final DNAP | maker ges Take of resulting, The part shows The part of the par |
| Tigrood 3' of produst reinber 6) NA Well #1 #2 #3 7) Wa Structu | Water level (fbtoc) Water Control Structure type (circle one): ide; Retained water de | Proc + method of the color of t | "Ssee min "Ssee min "The 20 "Ssee onstruction): Construction): Construction level (fbtoc) we the Height of | intruts); TII+20,23 intrut | SEO W. Cubbing - Muthan go release w/ residing levels; T10+30, -5 al.) Final DNAP sand bern surface: | maker ges Task of resulting Task of resulting The shows the maker Level (fbtoc) The shows t |
| Titeo 3' of relation relation NA Well #1 #2 #3 7) Was Structus Lake si | Water level (fbtoc) We control Structure type (circle one): ide; Retained water dege: | Proc + method (losts ce is see himsel) Wells (Active Co Initial DNAPL res at Outlet: flash boards pth:fee; Condition: | See of min of the see | intructs); TII+20,23 intructs); TII+20,23 intructs); TII+20,23 intructs intructs); TII+20,23 intructs intructors intructo | SEO N. Criting - E method go ale release w/ resulting 1; rvas); T10+30, ~5 al.) Final DNAP sand bern surface: | makar gps lost w. resulting lost w. cuit maken L level (fbtoc) 1054 2-55456 15 500 intervals |

| | DATE: 5/19/04 INSPECTOR: JMV WEATHER: SUNNY |
|-------------|---|
| i) | PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: COLM |
| | TEMPERATURE (degrees F): \(\frac{170}{0}\) ACTIVE CONSTRUCTION: \(\frac{N}{N}\) (Y/N) |
| | TEMPERATURE (degrees F): // ACTIVE CONSTRUCTION: N (Y/N) Ice thickness in Canal circa T9: inches Snow depth circa T9: inches Canal Stage measurement time: 0849 Canal Reference Point way and Elevation 96.5 ft NGVD Canal Water Elevation 0660ft: 96.55 ft NGVD |
| | Canal Stage measurement time: <u>OB49</u> Canal Reference Point <u>Ww</u> and Elevation <u>96.5</u> ft NGVD |
| | Canal Water Elevation . 05'about; 96.55 ft NGVD Crest |
| | Lake Stage time: 0849 Lake Water 05 ft above/below weir crest (96.5 ft NGVD); 96.55 ft NGVD |
| | 1) Air quality (Active Construction): |
| | Time : ;Location: ppmV; Background: ppmV |
| | Time : ;Location:; PID reading: ppmV; Background: ppmV |
| | 2) Environmental Controls: |
| | Sorbent Boom at Transect T-7: Time: 1320; In-place; Performing properly 2 |
| | Boom/Curtain at Transect T-9+30: Time: /322; In-place ; Performing properly 2 |
| | Boom at Transect T-12+00: Time: /324; In-place ; Performing properly |
| | Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly |
| | Curtain at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly |
| | Boom at Canal Outlet(Active Construction): Time: ; In-place ; Performing properly |
| | 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| | Time:; sheens; turbidity: /NTU unacidified /acidified |
| .# | Time:; sheens; turbidity: /NTU unacidified/acidifed |
| | 4) Pumping Systems: |
| | Pump on time: Pump off time: Pumping duration since last inspection: |
| | By-Pass pump; Time: Suction secure; Water Depth at Suction: ft |
| | Discharge secure;Discharge hose; leakage; signs of wear;couplings; |
| | 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| 10, 6-1 | west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Tig 160 pool - 4 pools (2"-4" in dia) & Tig 17, 2-5 m, with LNA. globales (no active releases while observing) - parised. |
| - | 2" of DWAR on pale, T14-00 (orliginal release are) minor cuma and blo threns (no ocean releases), Lin of light awar shens on probe; |
| +6 0 | 713-40, ~65' & sever black LNAM splaces (no active relicous); #12-45 70'6 clear methore gen relicose, evy min. for 30.40516. |
| | T(1+55 0 5-19-04 |
| | That 90,66'E, block when spides on suran (no active release); TH-25, ~55'E, release of methone gos with |
| | LNAR sheens and 1/5 in in dia NAR globales every 20 sec for 2-5 sec j 711+40, ~506 methor gos and LNAR |
| , | 1/8-1/4 in in dia globbles released to a steady cominous relievence; TIL+25, 40'E, 3 release areas of |
| | methor ges and course vointion shows every 10-15 see for 1-2 see, TIITIS, 40'E, release of methore gas |
| | and when rainbow sheeps and glibulus of an her of 10-15 see for 1-2 see , T10+50, 740'6, |
| | Continous "Clan" method gos release; 79-95, 5'E continious ges+ LNAPE release with relation sheens and |
| | 18 in in alla glishes; T14-20, cert- of Arc. 2 mu, continues "clos" multar ges relian, T11+15, 10€ |
| | intermitted year of memore gas and LNAR sheeps and allocates of 30-60sec for 3 sec. |

| - / / | SPECTOR: JMV | | | <i>(</i> |
|--|--|----------------------------|---|---|
| PRECIPITATION IN PREV | | | | |
| TEMPERATURE (degrees | | | • | • |
| Ice thickness in Canal circa | T9: | _inches St | now depth circa T9: | inches |
| Canal Stage measurement ti | me: <u>1411</u> Cana | l Reference I | Point_ <u>wcic</u> and Eleva | tion <u>96,5</u> ft NGVD |
| Canal Water Elevation66 | 6 <u>ft; 97.15</u> | ft NGVD | crest | _ |
| Lake Stage time: 1911 | Lake Water | .66ft.abo | ve/below weir crest (96.5 | ft NGVD); <u>97.15</u> ft NGV |
| 1) Air quality (Active Con | struction): | | | |
| Time ; ;Location: | ; PID | reading: | ppmV; Backgroun | d:ppmV |
| Time : ;Location: | ; PID | reading: | ppmV; Backgroun | d:ppmV |
| 2) Environmental Control | s: * should be re | placed prior | - to construction→some | what solvered & grungy |
| Sorbent Boom at Transect T | | | | erforming properly |
| Boom/Curtain at Transect T | -9+30: | Time: <u>15</u> | <u> ⊅S;</u> In-place∕; P | erforming properly |
| Boom at Transect T-12+00: | | Time: 15 | 27 ; In-place 🗸 ; P | erforming properly $ u$ |
| Boom at pump intake(Active | e Construction): | Time: | ; In-place; P | erforming properly |
| Curtain at Canal Outlet(Acti | ive Construction): | Time: | ; In-place; P | erforming properly |
| Boom at Canal Outlet(Activ | e Construction): | Time: | ; In-place; P | erforming properly |
| 3) Assessment of Water Q | uality at Pump Dis | scharge (Ac | tive Construction):: | |
| Time:; sheens; | turbic | lity: | N | TU unacidified /acidified |
| Fime:; sheens; | | | | |
| 4) Pumping Systems: | | | | |
| Pump on time: P | ump off time: | | Pumping duration since la | ast inspection: |
| By-Pass pump; Time: | Suction secur | e; V | Water Depth at Suction: | ft |
| Discharge secure; | Discharge hos | e; leakage | ; signs of wear; | couplings; |
| 5) Seeps, Sheens, or NAPL | in canal and wetl | ands. Reco | rd time, observation loc | ation (transect and offset fro |
| west bank), approximate e | levation, descripti | on (rate, vo | lume, area), and action | taken (if any). |
| the Menderal - hist | | | | |
| THE WHOCHEN SHAM | | | | |
| Simon Simon | | | | |
| in when the stime | | | | |
| | Wells (Active Cons | struction): | | |
| 5) NAPL Pressure Relief | | | | Final DNAPL level (fbtoc) |
| 6) NAPL Pressure Relief Well Water level (fbtoc) | | | | |
| 6) NAPL Pressure Relief Well Water level (fbtoc) | | | | |
| 5) NAPL Pressure Relief Well Water level (fbtoc) #1 #2 | | | | |
| NAPL Pressure Relief Well Water level (fbtoc) 41 42 43 | Initial DNAPL le | | | |
| 6) NAPL Pressure Relief Well Water level (fbtoc) #1 #2 #3 7) Water Control Structure | Initial DNAPL le | evel (fbtoc) | DNAPL removed (gal.) | Final DNAPL level (fbtoc) |
| 6) NAPL Pressure Relief Well Water level (fbtoc) #1 #2 #3 7) Water Control Structure Structure type (circle one): | Initial DNAPL le | evel (fbtoc) | DNAPL removed (gal.) | Final DNAPL level (fbtoc) |
| 6) NAPL Pressure Relief V Well Water level (fbtoc) #1 #2 #3 7) Water Control Structure Structure type (circle one): Lake side; Retained water de | res at Outlet: flash boards epth:feet | evel (fbtoc) W Height of | DNAPL removed (gal.) rater filled cofferdam f structure above water sur | Final DNAPL level (fbtoc) sand berm face:feet |
| 6) NAPL Pressure Relief Well Water level (fbtoc) #1 #2 #3 7) Water Control Structure Structure type (circle one): Lake side; Retained water de | res at Outlet: flash boards epth: feet ; Condition: | evel (fbtoc) W Height of | DNAPL removed (gal.) rater filled cofferdam f structure above water sur; Alignment | Final DNAPL level (fbtoc) sand berm face:feet |
| 6) NAPL Pressure Relief Well Water level (fbtoc) #1 #2 #3 7) Water Control Structure Structure type (circle one): Lake side; Retained water de Seepage: Canal side; Retained water de Seepage: | res at Outlet: flash boards epth:feet; Condition: lepth:feet | wel (fbtoc) We Height of | DNAPL removed (gal.) rater filled cofferdam f structure above water sur; Alignment f structure above water sur | Final DNAPL level (fbtoc) sand berm face:feet face:feet |

| P | SCS Napl Release | Descriptions; observed 5/27/04 |
|-----------|------------------|--|
| | Offset (from w. | |
| Transect: | cribbing): | Observations: |
| | | Black LNAPL spiders and globules surrounding both stakes |
| | | within containment area; intermittent methane gas release |
| Į. | | every 30 -60 seconds for 2-3 seconds; no active LNAPL |
| T14+17 | 4'W | release observed. |
| 1 | | Continuous methane gas release observed; Black LNAPL |
| | | sheens observed surrounding methane release area; no |
| T14+10 | 5'W | active LNAPL release observed. |
| 1 | | DNAPL rainbow sheens observed on probe; probing released |
| | | some methane gas bubbles; no active LNAPL release |
| T14+00 | 4'W | observed. |
| | | 1-2' long LNAPL spiders observed on water surface; no |
| T11+70 | 66'E | active methane gas or LNAPL release observed. |
| T11:00 | 2015 | Several 1/8" to 1/4" LNAPL globules on water surface; no |
| T11+00 | 80'E | active methane gas or LNAPL release observed. |
| | ! | Continuous intermittent methane gas release producing |
| T44.20 | FOIL | LNAPL rainbow sheens on the water surface; methane gas |
| T11+20 | 50'E | bubble release every 1-2 seconds. LNAPL globules and sheens on water surface; no active |
| T11+55 | 45'E | methane or LNAPL release observed. |
| 111705 | 43 = | Clean methane gas release at a rate of every 100 seconds |
| T11+55 | 30'E | for 10-15 seconds; no active LNAPL releases observed. |
| 111733 | | Intermittent methane gas release producing black LNAPL |
| 1 | 1 | sheens on water surface at a rate of every 60 seconds for 60 |
| T11+45 | 30°E | seconds. |
| 177740 | | Methane gas release producing black LNAPL sheens at a |
| T11+15 | 20'E | rate of every 90 seconds for 10-20 seconds. |
| 711113 | | Continuous clean methane gas release; no LNAPL releases |
| T10+50 | 40'E | observed. |
| 110.00 | | Intermittent clean methane gas release at a rate of every 120 |
| T10+49 | 3'E | seconds for 30 seconds; no LNAPL releases observed. |
| 110,49 | <u></u> | Jacobilda idi ad accollda, ilo Livar E releases observed. |

K:\1-0870-1\NAPL release info\observations52704.xls

| | DATE | : 6/4/04 INS | PECTOR: JMV | | WEATHE | R:SUNNU | |
|-----------|----------|--------------------------------|---|-----------------------------|--|---------------------------------------|----------------|
| \hat{I} | | 1 1 | TOUS 24 HOURS: | <u>(//S</u> W] | ND DIRECTION/SPEE | D: <u>Colm</u> | |
| | TEMP | ERATURE (degrees l | F): <u>52°</u> acti | VE CONST | RUCTION: N (Y | /N) | |
| | Ice thic | ckness in Canal circa | r9: <u> </u> | _inches Sn | ow depth circa T9: | <u>inches</u> | |
| | Canal | Stage measurement tir | ne: <u>0844</u> Canal | Reference P | oint object wirand Eleva | tion 0.3 ft NGV | D |
| | Canal | Water Elevation <u>96.</u> | 5 ft; 96 B | _ft NGVD | evest obutment | | |
| | Lake S | tage time: <u>0845</u> | Lake Water & | 2.68 staboy | below weir crest (96.5 | ft NGVD); <u>98.68</u> | _ft NGVD |
| | 1) Air | quality (Active Cons | struction): N/A | | @ 6.4.01 | | |
| | Time_ | : ;Location: _ | ; PID r | eading: | ppmV; Backgroun | d:ppmV | |
| | Time_ | : ;Location: _ | ; PID r | eading: | ppmV; Backgroun | d: ppmV | |
| | 2) Env | ironmental Controls | : | | | | |
| | Sorben | it Boom at Transect T | -7: | Time: <u>09</u> | 36_; In-place√; P | erforming properly_ | |
| | Boom/ | Curtain at Transect T- | 9+30: | Time: <u>/) 93</u> | <u>3 €</u> ; In-place; P | erforming properly_ | V |
| | Boom | at Transect T-12+00: | | Time: <u>69</u> | <u>3 </u> | erforming properly | / |
| | Boom | at pump intake(Active | Construction): | | ; In-place; P | | |
| | Curtain | n at Canal Outlet(Acti | ve Construction): | | 2; In-place; P | | *. |
| | Boom | at Canal Outlet(Active | e Construction): | Time: <u>085</u> | 2; In-place; P | erforming properly_ | |
| | 3) Ass | essment of Water Qu | ality at Pump Dis | charge (Acti | ive Construction):: 18 4" disc N | gi | |
| | Time:_ | <u>0890;</u> sheens; | UO turbid | ity: <u>11.7</u> | 18 4"0" NI | U unacidified /acidif | ied |
| £ | Time:_ | <u>0850</u> ; sheens; <u>1</u> | 10 turbid | ity: <u>13.6</u> | 16" alschargeNT | U unacidified/acidife | ed . |
| | • | aping Systems: | • | • | • | | |
| | | | | | umping duration since la | | |
| | | s pump; Time: <u>092</u> | Suction secure | : <u>; yes</u> W | ater Depth at Suction: | <u>'' '/ft</u> †qp | of Cep~89.4H |
| | | | | | <u>UO</u> ; signs of wear; <u>Ok</u> | | |
| | | | | | d time, observation loc | , ' | offset from |
| | west b | ank), approximate ei | l evation, descriptic N <i>PL from D</i> os | on (rate, volu 3 Slow of | ume, area), and action (Cancl ~ No ops bud | taken (if any). das : inspected : | iack. |
| | | | | | u of copsord in No | <i>- "</i> " ' | • |
| | | | | | round ground work | | |
| | • | • | 0 | • | . • | | |
| ı | Well | PL Pressure Relief \ | | | | Einel DNIADI Java | J (Arton) |
| | #1 | Water level (fbtoc) | Illuar DIVAPL lev | ver (10toc) | DNAPL removed (gal.) | Final DNAPL leve | |
| | #2 | | | | | · · · · · · · · · · · · · · · · · · · | |
| | #3 | | | | · · · · · · · · · · · · · · · · · · · | | |
| | | | | | Comp Con of all 1 | C (5)-1(1)0 0 1 0 | |
| | • | ter Control Structur | | | 6 11 NGVD (except 1 | 5. spilling & 50 | ind = 96.5 Nov |
| | | re type (circle one): | flash boards | | ter filled cofferdam | sand berm | 1 |
| | | de; Retained water de | | | structure above water sur | | |
| | | | | | ; Alignment | | |
| | _ | _ | | | structure above water sur | | |
| | Seepag | e: <u>NO</u> | ; Condition: | | | <u> </u> | |

| DATE: 6/5/04 INSPECTOR: JMV WEATHER: SUDNY PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: 10 inches TEMPERATURE (degrees F): 70° ACTIVE CONSTRUCTION: V (Y/N) Ice thickness in Canal circa T9: V/A inches Snow depth circa T9: V/A inches |
|--|
| TEMPERATURE (degrees F): 70° ACTIVE CONSTRUCTION: N (Y/N) |
| |
| |
| Canal Stage measurement time: 1056 Canal Reference Point below and Elevation 0.05 ft NGVD |
| Canal Water Elevation 16.50 ft; 96.45 ft NGVD Weir Wist |
| Lake Stage time: 1051 Lake Water 0.9 ft above below weir crest (96.5 ft NGVD); 97.40 ft NGVD |
| 1) Air quality (Active Construction): wife |
| Time ; ;Location: ; PID reading: ppmV; Background: ppmV |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV |
| 2) Environmental Controls: |
| Sorbent Boom at Transect T-7: Time: 1124; In-place ; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: 1/25; In-place; Performing properly |
| Boom at Transect T-12+00: Time: //25 ; In-place / ; Performing properly |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly |
| Curtain at Canal Outlet (Active Construction): Time: / S>; In-place /; Performing properly |
| Boom at Canal Outlet(Active Construction): Time: 1052; In-place ν ; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time: 1055; sheens; NO turbidity: 9.34 / 4" also NTU unacidified /acidified |
| Time: 1055; sheens; NO turbidity: 10.76 / 6° disting. NTU unacidified/acidifed |
| 4) Pumping Systems: |
| Pump on time: Pump off time: Pumping duration since last inspection: 26 hrs. |
| By-Pass pump; Time: 1052 Suction secure; VIS Water Depth at Suction: A 7 ft (10pd Cop "9 |
| Discharge secure; Discharge hose; leakage No; signs of wear; Ok couplings; Ok |
| Discharge secure, V Discharge flose, leakage / 10 , sights of weat, Or couplings. / its |
| |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). 10 VISIBL SHUNS (LNAPL) from last Stat of Concl., and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SHEEPS (LNAPL) from Past Sign of Concl., "no get bubble," in specific of polis" - oil Secure 3 in - place 6) NAPL Pressure Relief Wells (Active Construction): N/A |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). no visible Sheins (LNAR) from last Siau of and, "no get bubble," inspected "jock polis" - all Secure is in-place |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SHEEPS (LNAPL) from POST SIGLE of CONCL, ~ no get biblis; in specific of police. 1) OCL police—3 in-place 6) NAPL Pressure Relief Wells (Active Construction): N/A |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SHEEPS (LNAPL) from ROSE STOLE of CONCE, "no get biblistics perfectly in processing to police" - cell Secure is in-place 6) NAPL Pressure Relief Wells (Active Construction): N/A Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SMEINS (LNAM) from Past Sign of Concl., "no get bubble," in specific of "jock polis" - all Secure 3 in - place 6) NAPL Pressure Relief Wells (Active Construction): N/A Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). **NO VISIBLE SHAND From LAST STALL of CONCL, "no gas bubble, in special "ject poits" - cit secure in place 6) NAPL Pressure Relief Wells (Active Construction): N/A Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SHEEDS (LNAPL) from East Sign of Circle, and get highly, inspected? "JCCLe polits" - Cl. Sective in - place 6) NAPL Pressure Relief Wells (Active Construction): N/A Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SIGURE OF LOST SIGURE OF CONCLETE OF PROCESSION OF CONCLETE OF CONC |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE SMENS (LENAR) from last Sign of Concl., no get biblis, in specific of jetle points - cll Sective is in-place. 6) NAPL Pressure Relief Wells (Active Construction): N/A Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1 #2 #3 7) Water Control Structures at Outlet: (rest 17.6 ft Nove) Structure type (circle one): Clash boards water filled cofferdam sand berm Lake side; Retained water depth: 1.10 feet Height of structure above water surface: 26 feet |
| **Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). **No visible Sheins (LNAR) from Past Sign of Concl., "no gas biobles, in special of concl.," no gas biobles, in special of concl., "no gas biobles, in special of concl.," no gas biobles, in special of concl., "no gas biobles, in special of concl.," no gas biobles, in special of concl., "no gas biobles, in special of concl.," no gas biobles, in special of concl., "no gas biobles, in special of concl.," no gas biobles, in special of concl., "no gas biobles, in special of conclusion." NA Well Water level (fotoc) Initial DNAPL level (fotoc) DNAPL removed (gal.) Final DNAPL level (fotoc) #1 #2 #3 7) Water Control Structures at Outlet: (rish 97.6 ft N60) Structure type (circle one): (flash boards) water filled cofferdam sand berm Lake side; Retained water depth: 1.10 feet Height of structure above water surface: 26 feet Seepage: NO ; Condition: 0k ; Alignment 0k |
| **Structure type (circle one): ** Class Structure at Outlet: (rest 97.6 ft NGU) **Structure type (circle one): ** Class Structure above water surface: ** Q6 feet Height of structure above water surface: ** Q6 feet |

| | DATE: 6/6/64 INSPECTOR: JAV | WEATHER: OVUCAS! | |
|---|---|--|--|
|) | PRECIPITATION IN PREVIOUS 24 HOURS: | WIND DIRECTION/SPEED: Colm | |
| | TEMPERATURE (degrees F): 65° ACTIVE CON | STRUCTION: N (Y/N) | |
| | Ice thickness in Canal circa T9:N/Ainches | Snow depth circa T9:inches | |
| | Canal Stage measurement time: 1027 Canal Reference Point below and Elevation 66.5 ft NGVD | | |
| | Canal Water Elevation 0.70 ft; 95.80 ft NGVD Weir (VO) | | |
| | Lake Stage time: 1027 Lake Water 6 95 that | pove/below weir crest (96.5 ft NGVD); 97.35 ft NGVD | |
| | 1) Air quality (Active Construction): MA | | |
| | Time : ;Location: ; PID reading: ppmV; Background: ppmV | | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | | | |
| 2) Environmental Controls: | | | |
| | • | OSO; In-place /; Performing properly / | |
| | Boom/Curtain at Transect T-9+30: Time:_/ | DSD ; In-place ; Performing properly DSD ; In-place ; Performing properly ; | |
| | Boom at Transect T-12+00: Time:_/ | 050; In-place ; Performing properly | |
| | Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly | |
| | Curtain at Canal Outlet(Active Construction): Time: | 10-31; In-place ; Performing properly V | |
| | • | ; In-place ; Performing properly | |
| | 3) Assessment of Water Quality at Pump Discharge (A | ctive Construction):: [6"-off] | |
| | Time: 1030; sheens; NO turbidity: 12. | 1 4" Alschory NTU unacidified /acidified | |
| į. | Time: N/A; sheens; turbidity: | /NTU unacidified/acidifed | |
| | 4) Pumping Systems: | | |
| | Pump on time: Pump off time: | _ | |
| | By-Pass pump; Time: 1038 Suction secure; VtS | • | |
| | Discharge secure; Discharge hose; leakage_ | | |
| | | ord time, observation location (transect and offset from | |
| | west bank), approximate elevation, description (rate, volume, area), and action taken (if any). NO VISIBLE LINAL Sheins observe from COSI boile 79-30, - no get biblis, bloshens | | |
| | VISIBLE Within containing over & slight well add downed original reliese over exposed; | | |
| | inspected all "jock piles" - all secure's in-pla | Cev | |
| | 6) NAPL Pressure Relief Wells (Active Construction): | | |
| į | | DNAPL removed (gal.) Final DNAPL level (fbtoc) | |
| | #1 | | |
| | #2 | | |
| , | #3 | | |
| 1 | 7) Water Control Structures at Outlet: CYESL 97.6 | NGVD | |
| | | water filled cofferdam sand berm | |
| ÷ | Lake side; Retained water depth: 1.05 feet Height of | of structure above water surface: _,25 _ feet | |
| ۶ | | | |
| | Canal side; Retained water depth:feet Height of | | |
| | Seepage: no ; Condition: 67 | _ | |
| | | | |

| Р | SCS Napl Release Offset (from w. | Descriptions; observed 6/9/04 |
|------------------|-------------------------------------|--|
| Transect: | cribbing); | Observations: |
| T11+70 | east bank | Possible oil sheen along water/east bank interface |
| T11+35 | 40'E | Continuous release of LNAPL rainbow sheens every 1-2 sec. that appears to be unassociated with methane gas releases Continuous release of methane gas bubbles producing NAPL |
| T11+25 | 60'E | globules and LNAPL rainbow sheens (significant release area as compared to other active areas) Release of LNAPL rainbow sheens every 40-60 sec. for 1 to |
| T11+55 | 40'E | 2 sec. that appears to be unassociated with methane gas releases |
| T11+30 | 15'E | Release of methane gas bubbles producing LNAPL rainbow sheens every 10 sec for 5 sec |
| | | Intermittent methane gas release producing NAPL globules and LNAPL rainbow sheens, also releases of LNAPL rainbow sheens unassociated with methane gas; releases every 20-40 sec. for 5 sec. (please note: release are more abundant |
| T11+30 | 25'E | when associated with methane gas releases) |
| T11+15 | 40'E | Intermittent methane gas release producing NAPL globules and LNAPL rainbow sheens, also releases of LNAPL rainbow sheens unassociated with methane gas; releases every 15 sec. for 15 sec. (please note: release are more abundant when associated with methane gas releases) (significant release area as compared to other active areas) |
| | | Intermittent methane gas release producing NAPL globules and LNAPL rainbow sheens, also releases of LNAPL rainbow sheens unassociated with methane gas; releases every 30-45 sec. for 3 sec. (please note: release are more abundant |
| T11+15 | 12'E | when associated with methane gas releases) |
| T11+05 | 35'E | Release of methane gas bubbles producing LNAPL rainbow sheens every 60-90 sec. for 2-4 sec. |
| T10+60 to T10+40 | west bank to 7'E | LNAPL sheens visible on the water surface, unclear as to the origin, NAPL globules are visible resting on the cap sand above and below water surface, also appears to be on organic materials, 6 methane gas releases areas in this location (appears to be releasing a minor amount of LNAPL) |
| 110100 10 110140 | west bank to 7 L | Continuous intermittent methane gas release every 1 to 2 sec. producing NAPL globules and LNAPL rainbow sheens |
| T9+80 | 5'E | every 1 to 2 sec. |
| | | ~4" of water with LNAPL globules and rainbow sheens present on the water surface; 4" of LNAPL sheens on probe upon removal (unclear whether that resulted from LNAPL or |
| T14+00 | 5'W | DNAPL) |
| T14+17 | 5'W | 1/4" of pure product in two 2" in diameter depression surrounding stakes - removed with an absorbent pad |

| DATE: 6/10/09 INSPECTOR: JMV | weather: Dorly Cloudy | | | |
|---|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: | :WIND DIRECTION/SPEED: Smoh N wind | | | |
| TEMPERATURE (degrees F): 65° ACT | TVE CONSTRUCTION: Y (Y/N) | | | |
| Ice thickness in Canal circa T9: | inches Snow depth circa T9: inches | | | |
| Canal Stage measurement time: <u>(7840</u> Canal | Reference Point below and Elevation 96.5 ft NGVD | | | |
| Canal Water Elevation 35 ft; 96.15 | _ANGVD Weir crest | | | |
| Lake Stage time: 0940 Lake Water | 60 frabove below weir crest (96.5 ft NGVD); 97/0 ft NGVD | | | |
| 1) Air quality (Active Construction): | | | | |
| Time 9: 18 ;Location: T11760 ; PID reading: 0.0 ppmV; Background: 0.0-0.1 ppmV | | | | |
| Time 10:57 ;Location: T10+66 ; PID r | reading: O.O. ppmV; Background: O.O.O. ppmV | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: | Time: 1100; In-place ; Performing properly | | | |
| Boom/Curtain at Transect T-9+30: | Time: 1100; In-place; Performing properly | | | |
| Boom at Transect T-12+00: | Time: 1100; In-place; Performing properly | | | |
| Boom at pump intake(Active Construction): | Time: ; In-place ; Performing properly | | | |
| Curtain at Canal Outlet(Active Construction): | Time: 0848; In-place; Performing properly | | | |
| Boom at Canal Outlet(Active Construction): | Time: 0848; In-place; Performing properly | | | |
| 3) Assessment of Water Quality at Pump Dis | | | | |
| Time: 0843; sheens; <u>no</u> turbid | • — — — — — — — — — — — — — — — — — — — | | | |
| Time: 0943; sheens; nb turbid | lity: 11. 16" Alsonoge NTU unacidified/acidifed | | | |
| 4) Pemping Systems: | 7 | 4) Pumping Systems: Promotion of time 2630 6/10/104 Promotion of | | |
| Fund on time: 1000 07/104 Pumping duration since last inspection: 17/10 | | | | |
| Furth our nutset 50.00 Fourth of time: 100 | | | | |
| By-Pass pump; Time: 0838 Suction secure | e; µ/A Water Depth at Suction: N/A ft | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose | e; DA Water Depth at Suction: NA ft e; leakage 100 ; signs of wear; 100 couplings; Ok | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls | e; \(\begin{align*} \begin{align*} \text{Mater Depth at Suction: \(\begin{align*} \begin{align*} | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description | e; \(\nu \arraycolor{\lambda} A\) Water Depth at Suction: \(\nu \arraycolor{\lambda} A\) couplings; \(\nu \arraycolor{\lambda} A\) couplings; \(\nu \arraycolor{\lambda} A\) and action (transect and offset from on (rate, volume, area), and action taken (if any). | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description 10 Special "Metaplu" in dom, all in passes | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage $N \mid O$; signs of wear; $N \mid O$ couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ost function, propert; Shen cleases desired | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL SICK PAR Son 710730 to 710 | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). $O \mid ACC \mid COCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOC$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description in Special year pul "in dom, all in pulling with the form 710+36 to 710 NAPL Sheeps, fleet class | e; νA Water Depth at Suction: NA ft e; leakage NO ; signs of wear; NO couplings; OK ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw God functionly, property; Share closes desired 2-70, 0-5'6; several methode as release producing why but Od remain simps from with bank | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL "INCL. PILL" in Ann. All in properties of the Along Wish Low from T10+36 to T10 NAPL Sheeps A LNAPL Sheeps, fleet Clean 6) NAPL Pressure Relief Wells (Active Const | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ood functionly, properly; Share releases desired of NO , NO of Several methode as releases producing from back struction): $N \mid A$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; VS Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL "INCL. PILL" in Alm., All in particular with the Tior 36 to Tio NAPL Pressure Relief Wells (Active Const.) Well Water level (fotoc) Initial DNAPL level. | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ood functionly, properly; Share releases desired of NO , NO of Several methode as releases producing from back struction): $N \mid A$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL FOR FOR TO 36 to TIO NAPL Pressure Relief Wells (Active Const Well Water level (fotoc) Initial DNAPL level #1 | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ood functionly, properly; Share releases desired of NO , NO of Several methode as releases producing from back struction): $N \mid A$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL "INCL. PULL" in Along, All in pro- Along Wish Inc. Som T10736 to T10 NAPL Ables and Linear Shreets, fleet clear 6) NAPL Pressure Relief Wells (Active Const Well Water level (fbtoc) Initial DNAPL level #1 #2 | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ood functionly, properly; Share releases desired of NO , NO of Several methode as releases producing from back struction): $N \mid A$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL FOR FOR TO 36 to TIO NAPL Pressure Relief Wells (Active Const Well Water level (fotoc) Initial DNAPL level #1 | e; $\nu \mid A$ Water Depth at Suction: $N \mid A$ ft e; leakage NO ; signs of wear; NO couplings; $O \mid C$ ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olaw Ood functionly, properly; Share releases desired of NO , NO of Several methode as releases producing from back struction): $N \mid A$ | | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; VS Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL SACE PARTING AM All IN A Along Wish have from T10736 to T10 NAPL Pressure Relief Wells (Active Const Well Water level (fbtoc) Initial DNAPL level #1 #2 #3 7) Water Control Structures at Outlet: 9 | e; p/A Water Depth at Suction: N/A ft e; leakage NO; signs of wear; NO couplings; Ok ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olace Col linething properly; Shen chases desired of 70,0-5 6; Seleval methore as reices producing oring bush and remain straps from with book struction): N/A vel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | ` | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description In Special "Inch pill" in Ann. All in pill Along Wish how from 710-36 to 710 NAPL Pressure Relief Wells (Active Const Well Water level (fotoc) Initial DNAPL level #1 #2 #3 | e; pla_Water Depth at Suction: NAft e; leakage NO; signs of wear; NO couplings; Ok ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olau Col functionly properly Source (if any). Olau Col functionly properly (| ing | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; VS Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL Sheeps of MAPL Sheeps fleet Class 6) NAPL Pressure Relief Wells (Active Consecution) Well Water level (fbtoc) Initial DNAPL level #1 #2 #3 7) Water Control Structures at Outlet: 9 Structure type (circle one): flash boards Lake side; Retained water depth: 30 feet | e; \(\bu \) A _ Water Depth at Suction: \(\bu \) A _ couplings; \(\omega \) Couplings; \(\omega \) A ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Olay Olay Cold functioning property; Share clients described of the functioning property; Share clients producing only bush and remain surps from water book. Struction: \(\bu \) A vel (fibtoc) \(\omega \) DNAPL removed (gal.) \(\omega \) Final DNAPL level (fibtoc) \(\omega \) Water filled cofferdam sand berm \(\cdot \) plastic Share Height of structure above water surface: \(\bu \) 80 \(\omega \) feet follow off of up | SYLLY | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL SHOW FOR TIDES to TIDE NAPL Ables and LNAPL Showns, fleets Class 6) NAPL Pressure Relief Wells (Active Const Well Water level (fbtoc) Initial DNAPL level #1 #2 #3 7) Water Control Structures at Outlet: 9 Structure type (circle one): flash boards Lake side; Retained water depth: 30 feet Seepage: No ; Condition: | e; pla_ Water Depth at Suction: NA | SYEV | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; | e; \(\begin{align*} \lambda \) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | iStreev Vistor | | |
| By-Pass pump; Time: 0838 Suction secure Discharge secure; US Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetls west bank), approximate elevation, description INSPECTAL SHOW FOR TIDES to TIDE NAPL Ables and LNAPL Showns, fleets Class 6) NAPL Pressure Relief Wells (Active Const Well Water level (fbtoc) Initial DNAPL level #1 #2 #3 7) Water Control Structures at Outlet: 9 Structure type (circle one): flash boards Lake side; Retained water depth: 30 feet Seepage: No ; Condition: | e; pla_ Water Depth at Suction: N/A | iStreev Vistor | | |

| DATE: 6/11/09 INSPECTOR: JMV WEATHER: SUNNY | | |
|---|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: | | |
| TEMPERATURE (degrees F): 70° ACTIVE CONS | STRUCTION: Y (Y/N) | |
| Ice thickness in Canal circa T9: inches S | Snow depth circa T9:inches | |
| Canal Stage measurement time: <u>0863</u> Canal Reference | Point below and Elevation 45 ft NGVD | |
| Canal Water Elevation 96.5 ft; 96.05 ft NGVI | weir arcs. | |
| Lake Stage time: 0853 Lake Water ,58 fyab | ove/helow weir crest (96.5 ft NGVD); 97.08 ft NGVD | |
| 1) Air quality (Active Construction): | | |
| Time 09:52 ;Location: 713-50 ; PID reading: 00 ppmV; Background: 00 ppmV | | |
| Time it : 10 Location: T/12 0 . PID reading: A A month Background: A A month | | |
| 2) Frankrik mandal Constraint | | |
| Sorbent Boom at Transect T-7: Time: | 35 103; In-place ; Performing properly | |
| Boom/Curtain at Transect T-9+30: Time:/ | oso; In-place; Performing properly | |
| Boom at Transect T-12+00: Time: | 050; In-place ; Performing properly | |
| Boom at pump intake(Active Construction): Time: 0° | 110; In-place ; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time: O | 358; In-place ; Performing properly | |
| Boom at Canal Outlet(Active Construction): Time: <u>Of</u> | 358; In-place Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Ac | ctive Construction):: | |
| Time: <u>OBSS</u> ; sheens; <u>No</u> turbidity: <u>13.9</u> | 3 | |
| Time: 0355; sheens; No turbidity: 14. 2 | 16' discipar NTU unacidified/acidifed | |
| 4) Pumping Systems: | | |
| Pump on time: 0630 Pump off time: | | |
| By-Pass pump; Time: 6910 Suction secure; 45 Water Depth at Suction: 6'5" ft | | |
| Discharge secure; JOS Discharge hose; leakage_ | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Reco | | |
| west bank), approximate elevation, description (rate, verificated "inch only "oddly description (rate, verificated "inch only "oddly description (rate, verificated to the odd) in the odd of the odd | olume, area), and action taken (if any). | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Inspected "york polis" of the dam-all in-place and functioning properly; fleet may clar Some stumps this alternary new rules area Times, so well east over logs - continues | | |
| methore as release producing a small amount of blue | at was shows (play from could relieve) | |
| - | • | |
| 6) NAPL Pressure Relief Wells (Active Construction): N/A | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) | DNAPL removed (gal.) Final DNAPL level (fbtoc) | |
| #1 | | |
| #2 | | |
| #3 | | |
| 7) Water Control Structures at Outlet: 97.9 | | |
| Structure type (circle one): flash boards v | vater filled cofferdam sand berm | |
| Lake side; Retained water depth: 48 feet Height o | f structure above water surface:62 feet | |
| Seepage: NO ; Condition: ob | | |
| Canal side; Retained water depth: O feet Height o | 0 | |
| Seepage: plastic studing; Condition: No ; Alignment & | | |
| | ; Alignment | |
| Seepage: plastic stating; Condition: Occ KA1-0870-INAPL response strategy 1210West Bank Cap Environmental inspec MISSING on- Upostern foce on note siet a cllowing some flow in from t | ; Alignment | |

| DATE: 6/14/04 INSPECTOR: JAW, DAM WEATHER: D. cloudy | | |
|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: 15-20mphs wind | | |
| TEMPERATURE (degrees F): BD° ACTIVE CONSTRUCTION: Y (Y/N) | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | | |
| Canal Stage measurement time: 0817 Canal Reference Point below and Elevation 96.5 ft NGVD | | |
| Canal Water Elevation 58 ft; 95,92 ft NGVD weir Crest | | |
| Lake Stage time: Lake Water ft above/below/weir crest (96.5 ft NGVD); ft NGVD | | |
| 1) Air quality (Active Construction): | | |
| Time 10:35; Location: T13+00; PID reading: 0.0 ppmV; Background: 0.0 ppmV | | |
| Time 12: 45 Location: ~ T/440 PID reading: A A monV: Rackground: AA monV | | |
| 2) Environmental Controls: "10" w of w 6" above sheen release for #2 (see pg. 28 in f8 #11) | | |
| Sorbent Boom at Transect T-7: Time: HIO; In-place \(\bu\); Performing properly | | |
| Boom/Curtain at Transect T-9+30: Time: 1410; In-place ; Performing properly 2 | | |
| Boom at Transect T-12+00: Time: 1410; In-place ; Performing properly | | |
| Boom at pump intake(Active Construction): Time: ; In-place ; Performing properly | | |
| Curtain at Canal Outlet(Active Construction): Time: <u>0840</u> ; In-place ν ; Performing properly ν | | |
| Boom at Canal Outlet(Active Construction): Time: <u>0840</u> ; In-place <u>\(\begin{align*} \)</u> ; Performing properly | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | |
| Time: OBIS; sheens; no turbidity: 16.0 16" alsotroge NTU unacidified /acidified | | |
| Time: N/A; sheens; N/A turbidity: N/A / NTU unacidified/acidifed | | |
| 4) Pumping Systems: | | |
| Pump on time: 0636 Pump off time: N/A Pumping duration since last inspection: N/A | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction:ft | | |
| Discharge secure; VCS Discharge hose; leakage NO; signs of wear; NO couplings; Of | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | | |
| all " och polis" in-place at dom; all structural supports in-place? Arrelaning properly; new | | |
| rclease @ T14-40, 10'w of w. critishing line : 3 distinct vileases found upon writing in 3'of water - releases of 44" to 42" in dia. alotates of NARC and nicked pided shans - placed 46' of | | |
| 6) NAPL Pressure Relief Wells (Active Construction): N/A Out of the place of the construction of the place o | | |
| | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | |
| #1 | | |
| #2 | | |
| #3 | | |
| 7) Water Control Structures at Outlet: Q 99.9 | | |
| Structure type (circle one): Clash boards water filled cofferdam sand berm | | |
| Lake side; Retained water depth: 67 feet Height of structure above water surface: 43 feet | | |
| Seepage: no ; Condition: ok ; Alignment ok | | |
| Canal side; Retained water depth: 6 feet Height of structure above water surface: 1.10 feet | | |
| Seepage: no ; Condition: ob ; Alignment ok | | |
| K44-0870-(NAPL response strategy/1210West Bank Cap Environmental inspectionokecklist.doc | | |

| DATE: G-15-04 INSPECTOR: D. MAYNARD WEATHER: Shoulds than claiming |
|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: 10-15 WEH W |
| TEMPERATURE (degrees F): 75% ACTIVE CONSTRUCTION: 165 (Y/N) |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches |
| Canal Stage measurement time: 715 Canal Reference Point crest and Elevation 16.5 ft NGVD |
| Capal Water Elevation AA5 Belft: 96.05 ft NGVD |
| Lake Stage time: 7:15 Lake Water 6.30 ft above/below weir crest (96.5 ft NGVD); 96.8 ft NGVD |
| 1) Air quality (Active Construction): |
| Time 9: 43; Location: 19150 Cond, PID reading: 1.1 ppmV; Background: 10.0 ppmV |
| Time 1:13 ;Location: TH+05, 5W; PID reading: 0.0 ppmV; Background: 0.0 ppmV |
| 2) Environmental Controls: |
| Sorbent Boom at Transect T-7: Time: 3:50; In-place ; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: 3:30; In-place ; Performing properly V |
| Boom at Transect T-12+00: Time: 3:35; In-place ; Performing properly |
| Boom at pump intake(Active Construction): Time: 745; In-place; Performing properly |
| Gurtam av Canal Outlet (Active Construction): Time: 3:50; In-place 1/2; Performing properly |
| Boom at Canal Outlet (Active Construction): Time: 3:30; In-place 1; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time: 8:50; sheens; 10 turbidity: 16:5 / NTU unacidified lacidified |
| Time: 56; sheens; NO turbidity: 17,51 NTU unacidified/acidifed |
| 4) Pumping Systems: PUMP of @ 1645 ON 6-14-04 |
| Pump on time: 7:30 Pump off time: 17:00 Pumping duration since last inspection: 8 h/3 25MM |
| By-Pass pump; Time: 7:45 Suction secure; Water Depth at Suction: 6.5 ft |
| Discharge secure; Discharge hose; leakage Mo; signs of wear; DK couplings; DK |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| 8:25 TIA 127, 5'W Sheen, T/A 103, 5'W Sheen < 0.01 WAR, NO DRAFL |
| 9'AN TILL 20-TILL 20 WAS DELLE OF STEEL OF THE STEEL OF THE STEEL |
| 9:40 T/1420-T10+20, West Book 50% sheeps 8:45 T9+50,0-3F 25F-sheep |
| 6) NAPL Pressure Relief Wells (Active Construction): Not 1118 tallel N 255 shorts |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| #1 |
| #2 |
| #3 |
| 7) Water Control Structures at Outlet: |
| Structure type (circle one): flash boards water filled cofferdam sand berm |
| Lake side; Retained water depth: 7.3 feet Height of structure above water surface: 0.8 feet 97.6 |
| Seepage: WO ; Condition: GOOD ; Alignment OK |
| Canal side; Retained water depth: feet Height of structure above water surface: feet |
| Seepage: WA ; Condition: WA ; Alignment W/A |
| K/11-0870-1 WAPL response strategy/1210 West Bank Cap Environmental inspectionckecklist doc |

| DATE: 6/16/64 INSPECTOR: JMV | WEATHER: SUNNY | |
|---|---|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: 0-5 mph w. wind | | |
| TEMPERATURE (degrees F): ACTIVE CONSTRUCTION: Y (Y/N) | | |
| Ice thickness in Canal circa T9: inches \$ | Snow depth circa T9:inches | |
| Canal Stage measurement time: <u>opan</u> Canal Reference | Point below and Elevation 96.5 ft NGVD | |
| Canal Water Elevation75 ft; _95.75 ft NGV | weir crest | |
| Lake Stage time: <u>0807</u> Lake Water <u>3</u> ft at | ov)/below weir crest (96.5 ft NGVD); 96.75 ft NGVD | |
| 1) Air quality (Active Construction): | | |
| Time 9: 20 ;Location: <u>T(4 - T/2</u> ; PID reading: <u>(</u> | ppmV; Background: 0.4 ppmV | |
| Time 14: 25; Location: 114; PID reading: | ppmV; Background: ppmV | |
| 2) Environmental Controls: | | |
| Sorbent Boom at Transect T-7: Time: | 002; In-place , Performing properly | |
| Boom/Curtain at Transect T-9+30: Time: | bob; In-place; Performing properly | |
| Boom at Transect T-12+00: Time:/ | 00); In-place; Performing properly | |
| Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time: 0 | 817; In-place ; Performing properly | |
| Boom at Canal Outlet(Active Construction): Time: <u>o</u> | **BIO ; In-place; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (A | ctive Construction):: N/A-No pumps running | |
| Time:; sheens;turbidity: | | |
| Time:; sheens; turbidity: | /NTU unacidified/acidifed | |
| 4) Pumping Systems: N/A-110 pumps ruming | | |
| Pump on time: Pump off time: | Pumping duration since last inspection: | |
| By-Pass pump; Time: Suction secure; | Water Depth at Suction:ft | |
| Discharge secure;Discharge hose; leakage_ | ; signs of wear; couplings; | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Rec | ord time, observation location (transect and offset from | |
| west bank), approximate elevation, description (rate, v | olume, area), and action taken (if any). | |
| all jock-polis in-place and functioning proper | y and Files place Sitt Cutan unavnots | |
| Ex bridge & ould and had born & Tiztob; froc : | | |
| thethe with nylin sing. 6) NAPL Pressure Relief Wells (Active Construction): | finishellation; sewed sitt auton at 79+30 | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) | | |
| #1 | | |
| #2 | | |
| #3 | | |
| 7) Water Control Structures at Outlet: 47.4 | | |
| | water filled cofferdam sand berm | |
| | of structure above water surface: .85 feet | |
| - | ; Alignment ok | |
| Canal side; Retained water depth: 0.0 feet Height | | |
| Seepage: ND ; Condition: | | |
| K:\I-0870-1\NAPL response strategy\I210West Bank Cap Environmental insp | | |

| DATE: 6/11/64 INSPECTOR: JMV/JRB 3-13 WEATHER: Cloudy | | |
|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: <u>colm</u> | | |
| TEMPERATURE (degrees F): 75° ACTIVE CONSTRUCTION: Y (Y/N) | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | | |
| Canal Stage measurement time: 1041 Canal Reference Point below and Elevation 96.5 ft NGVD | | |
| Canal Water Elevation 0.625 ft; 95.88 ft NGVD weir onst | | |
| Lake Stage time: 1041 Lake Water . 21 Kabove/pelow weir crest (96.5 ft NGVD); 96.71 ft NGVD | | |
| 1) Air quality (Active Construction): | | |
| Time 7: 40; Location: T-14; PID reading: 19-1 ppmV; Background: 02 ppmV | | |
| Time 1:40; Location: [-14]; PID reading: 17* ppmV; Background: 0.2 ppmV | | |
| 2) Environmental Controls: # OFF AUGUR FLIGHTS | | |
| Sorbent Boom at Transect T-7: Time: 1201; In-place ; Performing properly | | |
| Boom/Curtain at Transect T-9+30: Time: /20/; In-place ; Performing properly | | |
| Boom at Transect T-12+00: Time: 1201; In-place; Performing properly | | |
| Boom at pump intake(Active Construction): Time: 1050; In-place; Performing properly | | |
| Curtain at Canal Outlet(Active Construction): Time: 1047; In-place; Performing properly | | |
| Boom at Canal Outlet(Active Construction): Time: 1047; In-place ; Performing properly | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: NA - pumps not running | | |
| Time:; sheens; turbidity: /NTU unacidified /acidified | | |
| Time:; sheens; turbidity: /NTU unacidified/acidifed | | |
| 4) Pumping Systems: NIA - no pumps running | | |
| Pump on time: Pump off time: Pumping duration since last inspection: | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction:ft | | |
| Discharge secure;Discharge hose; leakage; signs of wear; couplings; | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). 1/500ted dang wer; all "jack polis" in place is secure; flett installed ow-1 and placed | | |
| cop sand done west base; T11+10, 2'W of e cis method ges relies producing blace NAM | | |
| spides every 10 sec. for 4 sec.; TH+20, SS'E continues messon, ges relieve producing black NAPL | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | |
| #1 Water level (1960) Initial Biving Flevel (1960) Elving Flevel (1960) Five Flevel (| | |
| #2 | | |
| #3 | | |
| 7) Water Control Structures at Outlet: 27.9 | | |
| Structure type (circle one): (lash boards) water filled cofferdam sand berm | | |
| Lake side; Retained water depth: 12 feet Height of structure above water surface: 0.99 feet | | |
| Seepage: 10; Condition: ok; Alignment ok | | |
| Canal side; Retained water depth: 0 feet Height of structure above water surface: 110 feet | | |
| Seepage: ho ; Condition: 6/2 ; Alignment 6/2 | | |
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| DATE: 6 1907 INSPECTOR: D. MAYNAKU WEATHER: PONTY CLOUDY | |
|--|---------------------------------|
| PRECIPITATION IN PREVIOUS 24 HOURS: MONE WIND DIRECTION/SPEED: OF MINH VEND DE | |
| TEMPERATURE (degrees F): 78 ACTIVE CONSTRUCTION: (Y/N) | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | |
| Canal Stage measurement time: 7:25 Canal Reference Point crest and Elevation 96.5 ft NGVD | |
| Canal Water Elevation 0.43 B.ft; 96.07 ft NGVD Com water temp 72°F | |
| Lake Stage time: 7:25 Lake Water Of stabove below weir crest (96.5 ft NGVD); 966 ft NGVD | |
| 1) Air quality (Active Construction): WOLL CHUAL 56-10 = 9.13FT@ 7:3 | 30 |
| Time B: 53; Location: J. RW14; PID reading: 0:00 ppmV; Background: 00 ppmV | |
| Time 10:50; Location: TRW14; PID reading: 0.0 ppmV; Background: 00 ppmV | |
| 2) Environmental Controls: 7:50 - T/A+20 Beom OK | |
| Sorbent Boom at Transect T-7: 6-18 Time: 11:35; In-place; Performing properly | |
| Boom/Curtain at Transect T-9+30: Time: /500; In-place ; Performing properly | |
| Boom at Transect T-12+00: Time: 1500; In-place; Performing properly | |
| Boom at pump intake(Active Construction): Time: 7:30; In-place ; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time: 7:25; In-place Performing properly | |
| Boom at Canal Outlet(Active Construction): Time: 7,525; In-place; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | |
| Time: 7-25; sheens; VO turbidity: 15.5 / NTV unacidified acidified | |
| Time: 16.15; sheens; NO turbidity: 15.3 / NTO unacidified acidifed | |
| 4) Pumping Systems: | |
| σ | |
| Pump on time: 7:15 Pump off time: 16:20 Pumping duration since last inspection: NONE | , |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Make 1. | .] 3W5 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 mtoke 1. Discharge secure; Discharge hose; leakage NO; signs of wear; Ok couplings; Ok Fi | .] 8W5 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 mtoke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok F1 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | .] 8W5 'E/ |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 mtoke 1. Discharge secure; Discharge hose; leakage NO; signs of wear; Ok couplings; Ok Fi | .] 8W5 85,201 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 Mtoke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; 0k couplings; 0k 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Canal 70 to Covered w/ 6 hearts between 79+30 and 7/2+000 8:30 7//+30,20/E/7//+4000 8:30 | .] BUS B5,201 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 Mtoke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; 0k couplings; 0k 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Canal 70 to Covered w/ 6 hearts between 79+30 and 7/2+000 8:30 7//+30,20/E/7//+4000 8:30 | : BUS BS 201 D |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Mtoke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok 5.0 Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from Substites + Black NAPL on Water & 7/11+5, 5/5/7/1+60, 25/5/7/1-50, 5/5/7/1-10+50, 5/5/7/1+10, 30/5/7/1+10, | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 mtoke 1.7 Discharge secure; Discharge hose; leakage 1/0; signs of wear; 0k couplings; 0k F1 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from subhile + Block NAPL an water a 7/0+45 5 F17/1+00 25 F17/0+50 5 F17/0+65, 30 F17/1+10 30 west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Canal 70 % Covered w/ sheens between 79+30 and 7/2+00 @ 3:30 7/1+30,20 E/7/1+0 10/25 & 44-1/2" Black NAPL Block - w side Access Road 7/4+80,0 w - Placed Pad 1/120-6" NAPL Block blob on water - w. bide Access Road - 7/4+60,5 w - Placed Pad 00 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 7 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 RWA Indiana @ 7/4+01.4 A 1/2 on 6-17 4 RWA Indiana @ 7/4 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Make 1.6 Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok 5.5 Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from Subject Black NAPL on Water Tilt45; 5/5/7/140, 25/5/7/140, 25/5/7/1405; 30/5/7/140 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Make 1.7 Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from west bank), approximate elevation, description (rate, volume, area, and action taken (if any). Canal 70 10 Covered w/ Sheens between 79+30 and 7/2+00(0 8:30) 11/20 - 6 1/2 NAPL Black NAPL Blobs - w Side Access Road 7/4+80,0 w - Placed fod 11/20 - 6 1/2 NAPL Black blob on water - w. bide Access Road - 7/4+60,5 w - Placed particles on 6-17-04,7 RWH Instance 87/4+04,4 (o) NAPL Pressure Relief Wells (Active Construction): NOTE 7 RWH Instance 87/4+04,4 (o) Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #17 RWH 6.00 6.28 (1.12 DWAPL) - 48 Gal Pumped My @ 10:3 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 Mtske 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from west bank), approximate elevation, description (rate, volume, area), and action taken (if any). Canal 70 16 Covered w/ sheeps between 79+30 and 7/2+00(0) 3:30 11/20-6 1/4 NAPL BLOCK blob on Water - w. side Access Road 7/4+80,0 w - Placed Pad 1/120-6 1/4/14/14/14/14/14/14/14/14/14/14/14/14/ | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 Make In Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from Subhlef + Bfack NAPL on Water (2 7/1/45) 5-1/1/40) 25-1/1/400 25-1/1/405-30/1/4/400 30/1/400 30/1/400 30/1/400 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 30/1/4000 3 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Make In Discharge secure; Discharge hose; leakage 1/6; signs of wear; Ok couplings; Ok 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from Subject & Black NAPL in warried 7:10+35 15 15 17 10+35 16 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Marke 1.5 Discharge secure; Discharge hose; leakage 1/6; signs of wear; Ok couplings; Ok 5.5 Seeps, Sheeps, or NAPL in canal and wetlands. Record time, observation location (transect and offset from substitute of black 1/4/1 on 1/4/2 1/4/3 5.5 1/4/3 5 | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Make 1.0 Discharge secure; Discharge hose; leakage 1.6; signs of wear; Ok couplings; Ok 5.5 Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from substitute of the coupling o | |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Midke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok F. Systems, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from Systems), approximate elevation, description (tate, volume, area), and action taken (if any). This couplings west bank), approximate elevation, description (tate, volume, area), and action taken (if any). This couplings is to see the second of | 0 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6:6 ft #2 Make 1. Discharge secure; Discharge hose; leakage 110; signs of wear; Ok couplings; Ok F. S) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location, (transect and offset from Stabilist & Block Alaph in Water & 7/1/15; 5:5/14/16/02 & E/T/14/02 & E/T/14/ | 0 |
| By-Pass pump; Time: 7:30 Suction secure; Water Depth at Suction: 6.6 ft #2 Midke 1. Discharge secure; Discharge hose; leakage 1/0; signs of wear; Ok couplings; Ok F. Systems, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from Systems), approximate elevation, description (tate, volume, area), and action taken (if any). This couplings west bank), approximate elevation, description (tate, volume, area), and action taken (if any). This couplings is to see the second of | 0 |

| DATE: 6-19-14 INSPECTOR: D. MAYNARD WEATHER: Partly Cloudy Showers |
|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: 1.19" WIND DIRECTION/SPEED: 5 MOH. SW |
| TEMPERATURE (degrees F): 70° F ACTIVE CONSTRUCTION: Yest (Y/N) Water town 66° F |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches |
| Canal Stage measurement time: 6:45 Canal Reference Point nest and Elevation 96.5 ft NGVD |
| Canal Water Elevation 0.45 B. ft; 96.05 ft NGVD |
| Lake Stage time: 6:45 Lake Water 0.1-05t above below weir crest (96.5 ft NGVD); 96.6 ft NGVD |
| 1) Air quality (Active Construction): |
| Time 7:40; Location: T/1+10, OE; PID reading: 09-1.3 ppmV; Background: 0 ppmV; mstallation |
| Time 11:00; Location: 714+00; PID reading: 0.3 ppmV; Background: 0 ppmV |
| 2) Environmental Controls: 7/4+20 BOOM 8:05 - OK |
| Sorbent Boom at Transect T-7: Time: 3.45; In-place ; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: 3:05; In-place : Performing properly |
| Boom at Transect T-12+00: Time: 8:05; In-place; Performing properly |
| Boom at pump intake(Active Construction): Time: 6:45; In-place ; Performing properly |
| Curtain at Canal Outlet(Active Construction): Time:; In-place; Performing properly |
| Boom at Canal Outlet(Active Construction): Time: 645; In-place; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time: 6:45; sheens; NO turbidity: 13.5 / NTO unacidified /acidified |
| Time: 13:12; sheens; NO turbidity: 15.4 / NTU unacidified/acidifed |
| 4) Pumping Systems: |
| Pump on time: 6:40 Pump off time: 13:15 Pumping duration since last inspection: 91115 Sulf |
| By-Pass pump; Time: 6:45 Suction secure; Water Depth at Suction: 6:6 ft |
| Discharge secure; |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| 7:15 NICKEL Sheens- Wiside Access Rd TIA+60,5W/TIA+75,2W/TIA+85,3'F 7:55 TII+00,0-3'W-3FT DIEM NICKELSHOON, 8:65 7590 Bheen COVEN 79+30 TO 712+00 |
| 8:40 NICKEL SHEEM T9+80, to T9+90, 5-10'E. 110:55 BINDHES + 16" BYN NAPL BLODG IN CIR COM |
| 12:10-12:20 BURNOST 115 WHILEHOLD THAN 2015 - 1710+90, 711+00, 711+10, THAZO, 40 15 |
| 6) NAPL Pressure Relief Wells (Active Construction): U_RWI 15@ 710+88,3w - 10015 102.00 |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| ## J. PW14 NO WATER 6.02 (09:50 (14' DAYD) NOVE NA 2001 LANDE |
| #2J. RWIL 5.90 NO DNAPLO 10:15 NOWE NA KODILNAPA |
| #3- |
| 7) Water Control Structures at Outlet: |
| Structure type (circle one): flash boards water filled cofferdam sand berm |
| Lake side; Retained water depth:feet Height of structure above water surface:feet |
| Seepage:; Condition:; Alignment; |
| Canal side; Retained water depth: None feet Height of structure above water surface: 1.55 feet |
| Seepage: 10; Condition: 4 acc ; Alignment |
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| DATE: (1720-04 INSPECTOR: [). M/+1/N/+ | WEATHER: VOTTY CLOUVE | |
|--|--|---------------------------------------|
| PRECIPITATION IN PREVIOUS 24 HOURS: <u>0.06</u> WI | ND DIRECTION/SPEED: 5-10MP# NW | |
| TEMPERATURE (degrees F): ~ HOT ACTIVE CONST | RUCTION: <u>Yes (</u> Y/N) watertemp 63°F | , |
| Ice thickness in Canal circa T9: inches Sne | ow depth circa T9:inches | |
| Canal Stage measurement time: 7:55 Canal Reference Po | oint CNESS and Elevation 6.5 ft NGVD | |
| Canal Water Elevation <u>0.45 B</u> ft; <u>96.05</u> ft NGVD | | |
| Lake Stage time: 7:55 Lake Water 005 ft abov | ebelow weir crest (96.5 ft NGVD); 96 4.5 ft NGVD | |
| 1) Air quality (Active Construction): | · | |
| Time 9:20; Location: JRUH; PID reading: 10-10 | ppmV; Background: DD ppmV | |
| Time 1: 1: Location: TRWII; PID reading: | ppmV; Background: ppmV | |
| 2) Environmental Controls: 8:50 T/4+20 | Boom OK | |
| Sorbent Boom at Transect T-7: Time: 9 | (1); In-place ; Performing properly | |
| Boom/Curtain at Transect T-9+30: Time: | (00; In-place ; Performing properly | |
| Boom at Transect T-12+00: Time: | In-place ; Performing properly | |
| Boom at pump intake(Active Construction): Time: | ; In-place; Performing properly | |
| Curtain at Canal Outlet(Active Construction): Time: 7 | 55; In-place; Performing properly | |
| Boom at Canal Outlet(Active Construction): Time: | 55; In-place ; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Acti | ve Construction):: | |
| Time: 7:55; sheens; 10 turbidity: 16. | / NTU unacidified acidified | |
| Time: $13-00$; sheens; $15-60$ turbidity: $15-60$ | / NTU unacidified/acidifed | |
| 4) Pumping Systems: | | |
| Pump on time: 7:50 Pump off time: 13:00 F | rumping duration since last inspection: 6hrs 35m/ | n |
| | . A A | 1 |
| By-Pass pump; Time: B:00 Suction secure; W | ater Depth at Suction:ft | 7 |
| | ater Depth at Suction: | 9 |
| | (couplings; (c)) d time, observation location (transect and offset from | ru v |
| Discharge secure;Discharge hose; leakage | (couplings; (c)) d time, observation location (transect and offset from | PU V |
| Discharge secure; Discharge hose; leakage 15) Seeps. Sheens, or NAPL in canal and wetlands. Record NAPL Refeo sea FROM 710+65-West CRIB & west bank), approximate elevation, description (rate, vol. 9:05 Very few sheeps in Conul T9420-9 1:43 intermittent bubbles + 1/2"NAPL Drop 10:07 intermittent bubbles + 1/2"NAPL Brop 10:07 intermittent bubbles + 1/2" NAPL Brop 10:07 intermittent | Couplings: OK couplings: OK dtime, observation location (transect and offset from 12:20 OW/199 CAPOING-WONK 6MM TOWN 174+605 ime, area) and action taken (if any). 12+60/9:15 6-12 /3"NAPLBLOBST 14+80,0" 60 T10+45 MAT VO+55, 5 E | in s |
| Discharge secure; Discharge hose; leakage 15) Seeps. Sheens, or NAPL in canal and wetlands. Record NAPL Refeo sea FROM 710+65-West CRIB & west bank), approximate elevation, description (rate, vol. 9:05 Very few sheeps in Conul T9420-9 1:43 intermittent bubbles + 1/2"NAPL Drop 10:07 intermittent bubbles + 1/2"NAPL Brop 10:07 intermittent bubbles + 1/2" NAPL Brop 10:07 intermittent | Couplings: OK couplings: OK dtime, observation location (transect and offset from 12:20 OW/199 CAPOING-WONK 6MM TOWN 174+605 ime, area) and action taken (if any). 12+60/9:15 6-12 /3"NAPLBLOBST 14+80,0" 60 T10+45 MAT VO+55, 5 E |) !W 78 |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Reference FROM 710+65-West-CRIBO west bank), approximate elevation, description (rate, vol. 4:05 /en few sheeps in Conu. 79+30-79-79-79-79-79-79-79-79-79-79-79-79-79- | Couplings: OK couplings: OK dtime, observation location (transect and offset from 12:20 OW/199 CAPOING-WONK 6MM TOWN 174+605 ime, area) and action taken (if any). 12+60/9:15 6-12 /3"NAPLBLOBST 14+80,0" 60 T10+45 MAT VO+55, 5 E | rui Fé |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Reference FROM 710+65-West-CRIBO west bank), approximate elevation, description (rate, vol. 4:05 /en few sheeps in Conu. 79+30-79-79-79-79-79-79-79-79-79-79-79-79-79- | d time, observation location (transect and offset from 12:20 assimplified from 12:40 fr | 1200 FE |
| Discharge secure; Discharge hose; leakage | d time, observation location (transect and offset from 12:20 assimplified from 12:40 fr | PUN FE |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Refeased FROM 710+65-West-CRIB & west bank), approximate elevation, description (rate, vol. 4.05 /ely few sheeps in Conu. 79+30-7 9:43 intermittent bubblest /e"NAPL DISCHOOL OF Intermittent bubblest /e"NAPL DISCHOOL OF INTERMITENT BUBBLEST //e"NAPL BUB | d time, observation location (transect and offset from 12:20 assimplified from 12:40 fr | THE THE |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Refeased FROM 710+65-West-CRIB & west bank), approximate elevation, description (rate, vol. 4.05 /ely few sheeps in Conu. 79+30-7 9:43 intermittent bubblest /e"NAPL DISCHOOL OF Intermittent bubblest /e"NAPL DISCHOOL OF INTERMITENT BUBBLEST //e"NAPL BUB | d time, observation location (transect and offset from 12:20 assimplified from 12:40 fr | 75 |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Reference FROM 70+65-West CRIB Cowest bank), approximate elevation, description (rate, vol. 9:05 ely few sheens in Conu. 17420-1743 17420-1743 17420 17420-1743 17420-1743 17420 17420-1743 17420 | d time, observation location (transect and offset from 12:20 assimplified from 12:14:15 and 12:16:16:16:16:16:16:16:16:16:16:16:16:16: | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Reference FROM 70465-West CRID O west bank), approximate elevation, description (rate, vol. 45 / 16/14 / | d time, observation location (transect and offset from 12:20 04) Mg Carp (Mg - We K Ghar 10:19) Ime, area) and action taken (if any). 12+00/9:15 [-12/3"NAPLBLOBS T/4+80, 0) 12+00/9:15 [-12/3"NAPLBLOBS T/4+80, 0) 13-00-00-00-00-00-00-00-00-00-00-00-00-00 | two 75 |
| Discharge secure; Discharge hose; leakage A 5) Seeps, Sheens, or NAPL in canal and wetlands. Record Reference FROM 70465-West CRID O west bank), approximate elevation, description (rate, vol. 45 / 16/14 / | d time, observation location (transect and offset from 12:20 Aut my Carping - work shart bound in the property of the property | 75 |
| Discharge secure; | d time, observation location (transect and offset from 12:20 04) Mg Carp (Mg - We K Shart 10:18) (mg, area) and action taken (if any). 12 + 10 + 45 | TE |

| DATE: 6-21-04 INSPECTOR: P, MAYMARD WEATHER: PONTY CLAUS | | |
|---|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: Nene_WIND DIRECTION/SPEED: M-15MOH5W | | |
| TEMPERATURE (degrees F): 60-75 FACTIVE CONSTRUCTION: Yest (Y/N) Cond under = 70°F | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches | | |
| Canal Stage measurement time: 9:03 Canal Reference Point NEST and Elevation 96.5 ft NGVD | | |
| Canal Water Elevation 0.60 B ft; 45.9 ft NGVD | | |
| Lake Stage time 4.053, 9:03 ake Water 6.15 ft above below weir crest (96.5 ft NGVD); 26.35 ft NGVD | | |
| 1) Air quality (Active Construction): | | |
| Time 7: 05; Location: VRW-10+50, PID reading: ppmV; Background: ppmV | | |
| Time 3: 00; Location: ppmV; PID reading: 0.0 ppmV; Background:ppmV | | |
| 2) Environmental Controls: | | |
| Sorbent Boom at Transect T-7: Time: 1430; In-place; Performing properly | | |
| Boom/Curtain at Transect T-9+30: Time: 14:30; In-place ; Performing properly | | |
| Boom at Transect T-12+00: Time: 130; In-place; Performing properly | | |
| Boom at pump intake(Active Construction): Time: 9:00; In-place ; Performing properly | | |
| Curtain at Canal Outlet(Active Construction): Time: 9:03; In-place ; Performing properly | | |
| Boom at Canal Outlet(Active Construction): Time: 9:03; In-place ; Performing properly | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | |
| Time: 9:00; sheens; VO turbidity: 16.0 / NTU unacidified /acidified | | |
| Time: 1360; sheens; NO turbidity: pump of M NTU unacidified/acidifed | | |
| 4) Pumping Systems: | | |
| Pump on time: 9:00 Pump off time: 12:30 Pumping duration since last inspection: 5 hrs 10 mm | | |
| By-Pass pump; Time: 9100 Suction secure; Water Depth at Suction: 6.5 ft | | |
| Discharge secure;Discharge hose; leakage; signs of wear;couplings; | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). See DNAPL Check LIST page. | | |
| 9:25 NG 1/2" NAPL BLOBS & TIA+60, 5W and TIA+80.0'W | | |
| | | |
| 6) NAPL Pressure Relief Wells (Active Construction): NEW WELL Installed CIRCA TIOTSO TRWINTSO TOP = 102,43 F NOVO | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) | | |
| #1 [RWH No water 6,08 (1.33'thick) 31 Gal @ 13:00 6.6 @ 13:21 (Dumping | | |
| #TRWII 6.05 Nene None (6:540.55420) Dry | | |
| #3[AW10+50 6.40 NONE NONE (7:35 0.8'420) | | |
| | | |
| 7) Water Control Structures at Outlet: | | |
| 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm | | |
| | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: feet | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: feet Height of structure above water surface: // feet Seepage: Condition: K ; Alignment K ; | | |

| The second secon | VI/TY/V/TK1// WEATHER: 3howe/5/00le/Co5 |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: | 0.06" WIND DIRECTION/SPEED: 0-15 mgh SW |
| TEMPERATURE (degrees F): 65 ACTI | |
| Ice thickness in Canal circa T9: | inches Snow depth circa T9: inches |
| Canal Stage measurement time: 6500 Canal | Reference Point Crest and Elevation 96.5 ft NGVD |
| Canal Water Elevation 1608.ft; 95.9 | _ft NGVD |
| · · · · · · · · · · · · · · · · | ft above below weir crest (96.5 ft NGVD); 16.36 ft NGVD |
| 1) Air quality (Active Construction): 3/5/ | |
| Time 7:50; Location: F. RW 14; PID r | reading: 0,7 ppmV; Background: 0 ppmV |
| Time <u>9:30</u> ;Location: 7/0+40, 00 Dr | reading: <u>0.7~/</u> ppmV; Background: ppmV |
| 2) Environmental Controls: 11:30 7/4 | H20 BEOMOK |
| Sorbent Boom at Transect T-7: | Time: 11:30; In-place; Performing properly |
| Boom/Curtain at Transect T-9+30: | Time: ///30; In-place / ; Performing properly / |
| Boom at Transect T-12+00: | Time:; In-place; Performing properly |
| Boom at pump intake(Active Construction): | Time: 6:05; In-place; Performing properly |
| Curtain at Canal Outlet(Active Construction): | Time: 6:05; In-place; Performing properly |
| Boom at Canal Outlet(Active Construction): | Time: <u>6.05</u> ; In-place ; Performing properly <u>U</u> |
| 3) Assessment of Water Quality at Pump Disc | charge (Active Construction):: |
| Time: 155; sheens; 10 turbid | ity: |
| Time: 10 -50; sheens; NO turbid | ity:NTU unacidified/acidifed |
| 4) Pumping Systems: | 7/- |
| | Pumping duration since last inspection: 3 12 1/15 |
| | |
| · · · · · · · · · · · · · · · · · · · | e; Water Depth at Suction: 16.5 ft |
| Discharge secure; Discharge hose | e; leakage; signs of wear; couplings; |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla | e; leakage /// ; signs of wear; /// couplings; /// ands. Record time, observation location (transect and offset from |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description | e; leakage // ; signs of wear; // couplings; // couplings; // ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description | e; leakage // ; signs of wear; // couplings; // couplings; // ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description | e; leakage // ; signs of wear; // couplings; // couplings; // ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 6:46 Few Maple blobs + 86 6:45 Tio+55, 4 E Maple Blobs 13:25 0.3 FT ONAVION BEAUE 18:11 J-RW 10+25 0.3 + hick | e; leakage M; signs of wear; OK couplings; OK ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). CAS THE GUY THE BOY IN CHESTING IN 617C PUCA 23 M CHEMICAL BUT MOTORED WITH SHAKE + PADS NO GUILLON - OF FILM WITH SHAKE + PADS |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 640 FEW MAPL BLOOG + Bho 6245 TIO+55, AFE MAPL BLOOG 13:25 0.3 FT DNANLW BEAVE 18:11 J-RW 10+25 0.3 FN 10/N 6) NAPL Pressure Relief Wells (Active Cons | e; leakage; signs of wear; Ok couplings; ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). SERS TIFFOSIU, TIFFOSIU, INSTRUMENTALE OVER 23m R CHAMEL TOTALS - SONDER WITH STARE FROM NO GULLON |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 6 40 Few MAPL blobb + Bh 6 45 Tin+55, A E MAPL BL 3:25 0.3 FT WANL W BEAVE 18:25 0.3 FT WANL W BEAVE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level 18:25 0.3 FT WANL W BEAVE 18:25 0.3 FT WANL W BE | e; leakage; signs of wear; couplings; ands. Record time, observation location (transect and offset from on (rate, volume, area), and action taken (if any). Leaks |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description GAC FEW MAPL DEBB + 661 6:45 TIO+55 AF NAPL BE 13:25 0.3 FT DVAPL W BEAVE 13:25 0.3 FT DVAPL W BEAVE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level 1778WA 7:00 MMC 6:19 (1.26) | e; leakage; signs of wear; Ok couplings; |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 6,46, Few Maph blobs + 66, 6,46, To +55, A E NAPL BLOBS 3:25, 0.3 FT ONAPL W BEAVE 3:25, 0.3 FT ONAPL W BEAVE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level #RWA 7:00 Male 6.19 (1.26) #RWA 7:00 Male 6.19 (1.26) | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description GAC FEW MAPL DLEDG + Box 6:45 TIO+55 A'E NAPL BLE 13:25 0.3 FT ONAPL W BEAVE 13:25 0.3 FT ONAPL W BEAVE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level #RWA 7:00 Male 6:19 (1.26) #RWA 5:50 6:20 None #RWO 50 6:55 6 A6 None | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 6 40 FEW MAPL DEOB + Bh 6 45 TIO+55 AF NAPL W BEAFE 3:25 0.3 FT DNAPL W BEAFE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL lev #RWA 7:00 MMC 6.19 (1.26 #RWA 7:00 MMC 6.19 (1.26 #RWA 5:50 6.20 NONE #RWO 50 6:55 6 A6 NONE 7) Water Control Structures at Outlet: | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description 6 40 FeW MAPL blebb + Bon 6 45 Tin+55, A E MAPL BLE 3:25 0.3 FT ONAVION BEAVE 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL lev FRWA FOO MORE 6.19 (1.26) FRWA FOO MORE 7) Water Control Structures at Outlet: Structure type (circle one): flash boards | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description GAC FEW MAPL DLEBS + BANKE 13:25 0.3 FT DNAN WELL 13:25 0.3 FT DNAN WELL 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level #RWA FOO MAPL FRWA FOO MAPL FRWA FOO MAPL TRUM G:50 6.20 NONE #RWOED 6:55 6.46 NONE 7) Water Control Structures at Outlet: Structure type (circle one): flash boards Lake side; Retained water depth: | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetlate west bank), approximate elevation, description of the second | e; leakage |
| Discharge secure; Discharge hose 5) Seeps, Sheens, or NAPL in canal and wetla west bank), approximate elevation, description GAC FEW MAPL DLEBS + BANKE 13:25 0.3 FT DNAN WELL 13:25 0.3 FT DNAN WELL 6) NAPL Pressure Relief Wells (Active Cons Well Water level (fbtoc) Initial DNAPL level #RWA FOO MAPL FRWA FOO MAPL FRWA FOO MAPL TRUM G:50 6.20 NONE #RWOED 6:55 6.46 NONE 7) Water Control Structures at Outlet: Structure type (circle one): flash boards Lake side; Retained water depth: | e; leakage |

| DATE: 6-23-04 INSPECTOR: 1) MITINARY WEATHER: Clear |
|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: 0.35" WIND DIRECTION/SPEED: 0-1540# NW |
| TEMPERATURE (degrees F): 65-75 ACTIVE CONSTRUCTION: 165 (Y/N) |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches |
| Canal Stage measurement time: 7:56 Canal Reference Point (Nest and Elevation 466 ft NGVD |
| Canal Water Elevation 1.63 Bft; 95.87 ft NGVD |
| Lake Stage time: 7:56 Lake Water 02 ft above/helow weir crest (96.5 ft NGVD); 96.3 ft NGVD |
| 1) Air quality (Active Construction): |
| Time 7:45; Location: RW/4; PID reading 0,204 ppmV; Background: ppmV |
| Time : 5: Location: 79+90,000 PID reading: ppmV; Background: ppmV |
| 2) Environmental Controls: |
| Sorbent Boom at Transect T-7: Time:; In-place; Performing properly |
| Boom/Curtain at Transect T-9+30: Time: |
| Boom at Transect T-12+00: Time: [150] In-place [150]; Performing properly [150] |
| Boom at pump intake(Active Construction): Time: 750; In-place : Performing properly |
| Curtain at Canal Outlet(Active Construction): Time: 7.52; In-place : Performing properly : |
| Boom at Canal Outlet(Active Construction): Time: 7:52; In-place ; Performing properly |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: |
| Time: 7.36; sheens; NO turbidity: 16.6 / NTU unacidified /acidified |
| Time: 15.30 sheens; 10 turbidity: 17.3 / NTU macidified acidifed |
| 4) Pumping Systems: |
| Pump on time: 7-00 Pump off time: 160/5 Pumping duration since last inspection 3416 55 Min |
| By-Pass pump; Time: 7:50 Suction secure; Water Depth at Suction: 6.7 ft Toplapasy.7 |
| Discharge secure;Discharge hose; leakage MO; signs of wear: couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). |
| - In 95 Item Woods I'm District Co - I In T Will 19 W BAN 1 1 1 100 12 P |
| 8º20 - VA Khause BACAUNOL TOLON-TIDION AVENT BIL ACUM HOURS ATTI |
| 3:30 - NO Sheeks OF SOUNCES TATED -T12 to except pld ocum blown at 7/2 |
| 8:30 - NO Sheens OF SOUNCES TATED -T12+00 except old ocum blown at 712 8:55 NAPL Druglets on quater Gystace as a perset of Capping @ 770+25 |
| 8:30-NO Sheeks ON SOUNCES TO +30-T12+00 except old ocum blown at 712 8:55 NAPL Druglets on water Systacl as a result of Capping @ T10+25 11:05 NAPL BLOGS PLEIM to Swifull Tight For 15:15 ILS 16460 INTIVER CITEDS |
| 8:30 - NO Sheets of Sounces Tat 30 - T12 tal except old sown blown at 712 8:55 NAPL Oraplets on water by that est a period of Capping a T10 to 50 NAPL Pressure Relief Wells (Active Construction): End of Day - 11.5, 164 tal Introduct C11.15 Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| 8:30 - NO Sheets of Sources Tat 20 - T12 tal except old sown blown at 712 8:55 NAPL Oraglets on water by tack as a result of Capping @ T10 tags 6) NAPL Pressure Relief Wells (Active Construction): End of Day - 11.5, 164ba/intruck @ 11.15 Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #15-RW/A NOWE 6.04 (1.48 thick) AS Gallons WOULE Truck been |
| 8:30 - M. Bhuns of Sounces tat 30 - T12 the except old soun blacen at 712 8:55 NAPL Droppets on water by that as a persent of Capping a T10 to 50 NAPL Pressure Relief Wells (Active Construction): End of Day - 11.5", 1646a1 In truck & 11.15 Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) #1-RW/A NOWE 6.04 (1.48" thick) 49 Gallons FRINGE 550 (1.75 (0.2" thick) 3 Gallons SOUNT Truck Charles of |
| B: 30 - NO BRUNG OF SOUNCES TO THE TO EXCEPT OLD SCUN blown of The B: 55 NAPL Druglets on water by that at a present of tapping a Thirty on the surface of the transfer of the surface of |
| BESO NAPL DOUGLES OF SOUNCES TO TOTAL OF SUPERIOR OF THE SUPER |
| #- RWH 6.07 NONE NIA NONE TOUCESbeen #RWH-90 6.20 NONE NIA NONE (0.3'+bxx) 3 ballons < 0.05'+bxx(2.00') #3 RWH+90 6.20 NONE NIA NONE (0.3'+20) shown |
| # RUM 6.07 NONE NAME NONE TRUCK) AG GENORS PROMERTY OF TRUCK Sheen FRIMO + 25 6.50 6.95 (0.2' thick) 36 allons < 0.05' thick (MAYLLOO') **RUM + 40 6.20 NONE NA NONE (0.3' H20) Sheen 7) Water Control Structures at Outlet: LENDAL DAY - 4 GALIN DRUM |
| #1-RWH 6.07 NONE NIA NONE TOUCE Sheen #3-RWH-80 6.30 NONE N/A WILL (NANCE CON) **RWH-80 6.30 NONE N/A WILL (NANCE CON) **TO Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm |
| #1-RWH 6.07 NOUE NIA NOUE TRUCKSbeen #3-RWH-25 6.50 6.75 (0.2'+hc/k) 3 bellons < 0.05'+hc/k (MALCON) #3-RWH-20 6.20 NONE 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: 6 feet Height of structure above water surface: 13 feet (97.679) |
| ## RILLY 6.07 NOWE NAME NOWE TRUCK Sheen ## RILLY 6.07 NOWE NAME NOWE TRUCK Sheen ## RILLY 6.07 NOWE NAME NOWE NOWE NAME (0.3' Hack) Sheen 7) Water Control Structures at Outlet: Structure type (circle one): flash boards water filled cofferdam sand berm Lake side; Retained water depth: 6 feet Height of structure above water surface: 13 feet (97.679) Seepage: 10 ; Condition: 600 ; Alignment 6 |

| DATE: 6-124/04 INSPECTOR: J Behrsing/Del | Mayno Aweather: | Theor FENCLAULS | |
|---|----------------------------|--------------------------------|----|
| PRECIPITATION IN PREVIOUS 24 HOURS: WINI | D DIRECTION/SPEED | 5-15 mo# 500 | |
| TEMPERATURE (degrees F): #1-75_ACTIVE CONSTRU | JCTION: YES (Y/N | D | |
| Ice thickness in Canal circa T9: inches Snow | , | <u>inches</u> | |
| Canal Stage measurement time: BEW Canal Reference Poin | nt Color and Elevati | on <i>965</i> ft NGVD | |
| Canal Water Elevation 279 B ft; 95.71 ft NGVD | | | |
| Lake Stage time: 8:00 Lake Water 0.2 ft above/b | pelow weir crest (96.5 f | t NGVD); <u>¶6.3</u> ft NGVD | |
| 1) Air quality (Active Construction): # 10.05 | _ | | |
| Time 7:55; Location: 79+80; PID reading: 0-02 | 🚣 ppmV; Background: | : ppmV | |
| Time 9 23 ;Location: RWA ; PID reading: 0.4 | ppmV; Background: | :ppmV | |
| 2) Environmental Controls: 7/4+20, 8:40 BC | OMOR | | |
| Sorbent Boom at Transect T-7: Time: | : In-place: ; Per | rforming properly | |
| Boom/Curtain at Transect T-9+30: Time: | (); In-place (; Per | rforming properly | |
| Boom at Transect T-12+00: Time: 3.4 | 🤦 ; In-place 🗽 ; Per | rforming properly | |
| Boom at pump intake(Active Construction): Time: 7.5 | ; In-place; Per | rforming properly | |
| Curtain at Canal Outlet(Active Construction): Time: 7.52 | 5; In-place ; Per | rforming properly | |
| Boom at Canal Outlet(Active Construction): Time: 7:9 | 5 ; In-place; Per | rforming properly | |
| 3) Assessment of Water Quality at Pump Discharge (Active | Construction):: | | |
| Time: 8 10 ; sheens; 10 turbidity: 10 full | MPINGNTI | J unacidified /acidified | |
| Time: 11:45; sheens; No turbidity: " | NTU | J unacidified/acidifed | |
| 4) Pumping Systems: | | , | |
| Pump on time: Pump off time: Pump | nping duration since las | et inspection: 9hrs 15mil | 1 |
| By-Pass pump; Time: 7:55 Suction secure; Water | er Depth at Suction: | 6.3 A | |
| Discharge secure;Discharge hose; leakage | ; signs of wear; <i>OK</i> | couplings; OK | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record t | time, observation locat | tion (transect and offset from | |
| west bank), approximate elevation, description (rate, volum | ie, area), and action ta | ken (if any). | |
| ou sneems + oil in Canal 79+30-712 | , gone by | <i>8:00</i> | |
| 7:00 sheens 7/4+80,000 and 7 | 14+60.5'W | (13"stick) | |
| | | | , |
| 6) NAPL Pressure Relief Wells (Active Construction): | SNP DY | ly rottel 196 in Vac | ۲, |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DI | NAPL removed (gal.) | Final DNAPL level (fbtoc) |] |
| PULL 606.04 6.24 (1.2 THICK) | 32 gallous | PUMPEDBRY | 1 |
| AUII 6.15' NONE | CONE | NONE (1.35 M20) | 1 |
| (1) (1) (0.2'0NASL) | 2 ga won t | MANTE (A TE' MAL) | 1 |
| 7) Water Control Structures at Outlet: | one | NINE (0.79 P20) | J |
| | filled cofferdam | sand berm | |
| | ucture above water surfa | * | |
| Seepage:; Condition: Ak | _; Alignment _ OK | | |
| | ucture above water surfa | - die | |
| Seepage: 10 ; Condition: | _; Alignment <i>OF</i> | 1000 | |
| K-11.0870.1\NAPI recorder etertary 1210Weet Bank Can Environmental increational | | | |

| DATE: 6-28-04 INSPECTOR: D. 1 | AYNA | RDwea | THER: Port | y choudy | |
|--|--|---------------------------|------------------------|--------------------------------|--|
| PRECIPITATION IN PREVIOUS 24 HOURS | 7.53 1 W | IND DIRECTION/ | SPEED: 0-9 | 50. | |
| TEMPERATURE (degrees F): 60-70 FACTI | PRECIPITATION IN PREVIOUS 24 HOURS: 0.53 WIND DIRECTION/SPEED: 0-5 50. TEMPERATURE (degrees F): 60-70 FACTIVE CONSTRUCTION: Yes (Y/N) Const temp. 68° F | | | | |
| Ice thickness in Canal circa T9: | | | _ | • | |
| Canal Stage measurement time: 6:50 Canal | Reference I | Point crest and | Elevation 6.5 | ft NGVD | |
| Canal Water Elevation 0.30 B ft; 96.20 | | | / | - | |
| Lake Stage time: 6:50 Lake Water 0 | | | (96.5 ft NGVE |); <u>96.14</u> ft NGVD | |
| 1) Air quality (Active Construction): | | ~ | | | |
| Time 7:25 ;Location: RW14 ; PID re | eading: | ppmV; Back | ground: | ppmV | |
| Time 7:55; Location: RW 10+25; PID re | | _ | _ | | |
| 2) Environmental Controls: | | | | | |
| Sorbent Boom at Transect T-7: | Time: 7 : | 35; In-place_ | ; Performing | g properly $ u$ | |
| Boom/Curtain at Transect T-9+30: | Time: 7 | : 35; In-place | ; Performing | g properly | |
| Boom at Transect T-12+00: | | : 35; In-place | | | |
| Boom at pump intake(Active Construction): | Time:_// | :35; In-place | ; Performing | g properly 🖊 | |
| Curtain at Canal Outlet(Active Construction): | Time: | 35; In-place 4 | : Performing | g properly | |
| Boom at Canal Outlet(Active Construction): | Time: | (50; In-place | <u> </u> デ Performing | g properly | |
| 3) Assessment of Water Quality at Pump Disc | charge (Ac | tive Construction): | :: | | |
| Time: 6:50; sheens; 10 turbidi | | | | lified/acidified | |
| Time: 11:35; sheens; NO turbidi | ty: _/ 7. 6 | <u> </u> | NTU (macio | lified/acidifed | |
| 4) Pumping Systems: | | | | | |
| Pump on time: 6:45 Pump off time: 16 | <u> </u> | Pumping duration s | ince last inspec | tion: NOUF | |
| By-Pass pump; Time: //:30 Suction secure | ; | Vater Depth at Sucti | on: 6.8 | ft | |
| Discharge secure; | ; leakage | //// ; signs of we | ar; <i>ØK</i> cou | ıplings; | |
| 5) Seeps, Sheens, or NAPL in canal and wetla | nds. Reco | rd time, observatio | on location (tra | insect and offset from | |
| west bank), approximate elevation, description 7:00 42 00 Ben 42 pleas. NAPL | n (rate, vo | lume, area), and ac | ction taken (if | any). <i>4 \$1440.5'W</i> | |
| 7:35 weathered rainbon sheens | over 90 | Mo Canal be | tween To | 7+30 and T/2+00 | |
| 12:15 methone bubbles and NA | PL drop | bets in 8"0 | IN MEA | 79+95,251F | |
| 6) NAPL Pressure Relief Wells (Active Const | / | TOTAL NAPLIN | | GGA/IONS | |
| Well Water level (fbtoc) Initial DNAPL lev | rel (fbtoc) | DNAPL removed | (gal.) Final I | DNAPL level (fbtoc) | |
| 14 14 5.86 6.36 A(1.35 | HAKK) | 80 tollows | punp | ed Dry (mitaly 0.4 /120) | |
| BUILDING 6.13'(0.7'00) 6.83 FT (0.4' | thick) | ~3 Gallans | 77 | (1 A 051+11/4) | |
| RW9+80 5:60'(1.0') None (sheen | | Almal | NA | (20.00 1 MM | |
| 7) Water Control Structures at Outlet: | ennze) | 110116 | - Infa | | |
| Structure type (circle one): Lash boards | w | ater filled cofferdan | n sano | d berm | |
| Lake side; Retained water depth:feet | Height of | structure above wa | ter surface: | 16 feet 97.6 Topboors | |
| Seepage: ; Condition: | | | | | |
| Canal side; Retained water depth: feet | Height of | structure above war | ter surface: 1 | 4 feet | |
| Seepage: , Condition: | OK | ; Alignment _ | OK | <u>-</u> | |
| K:\I-0870-1\NAPL response strategy\1210West Bank Cap Env | rironmental inspec | tionckecklist.doc | | | |

| / / / I | ME CONTROLO DA | | PAIN | |
|---|---|--|---|--|
| DATE: 6/29 O'T INSPECTOR: J. Benrow WEATHER: PARTLY CLOUDY (EARLY PRECIPITATION IN PREVIOUS 24 HOURS: .09 WIND DIRECTION/SPEED: 0.5 From South TEMPERATURE (degrees F): 60 ACTIVE CONSTRUCTION: Y (Y/N) | | | | |
| PRECIPITATION IN PREVIOUS 24 HO | ours: <u>.09</u> wik | D DIRECTION/SPEED: | 0.5 From South | |
| TEMPERATURE (degrees F): 60 | _ACTIVE CONSTR | UCTION:(Y/N |) | |
| Canal Stage measurement time: 7:30 | Canal Reference Poi | nt CREST and Elevation | n <u>96.5</u> ft NGVD | |
| Canal Water Elevation 0.5 < ft; | 96.0 ft NGVD | | | |
| Lake Stage time: 3:30 Lake W | /ater <u>0.5</u> ft -abov e/ | below weir crest (96.5 ft | NGVD); <u>~ 96 0</u> ft NGVD | |
| 1) Air quality (Active Construction): | | | | |
| Time 7:45 ;Location: T-10 | ; PID reading: 0.4 · (| <mark>ጋ.7</mark> ppmV; Background:_ | tppmV | |
| Time 9: 15 :Location: 7-9+50 | ; PID reading: ٥,٦ - | <u>ბ. ე</u> ppmV; Background:_ | O. ppmV | |
| 2) Environmental Controls: | _ | | | |
| Sorbent Boom at Transect T-7: | | <u>}っ;</u> In-place 🗸 ; Perf | | |
| Boom/Curtain at Transect T-9+30: | Time: 7: 3 | ; In-place; Peri | forming properly | |
| Boom at Transect T-12+00: | Time: 7: 6 | Perf | forming properly | |
| Boom at pump intake(Active Construction | on): Time: 7:3 | ج ; In-place ; Peri | forming properly | |
| Curtain at Canal Outlet(Active Construct | | in-place : Peri | | |
| Boom at Canal Outlet(Active Construction | on): Time: 7:3 | ; In-place; Peri | forming properly | |
| 3) Assessment of Water Quality at Pur | - | • | | |
| | turbidity: 14.7 | | unacidified /acidified | |
| Time: 11:20; sheens; No | turbidity: 13.7 | NTU_ | unacidified/acidifed | |
| 4) Pumping Systems: | _ | | | |
| Pump on time: 6:45 Pump off time | : <u>~4∶50</u> Pu | mping duration since last | inspection: hopE | |
| By-Pass pump; Time: 7:30 Suction | | | | |
| Discharge secure; Yes Dischar | ge hose; leakage No | ₩E; signs of wear; 🖎 | couplings; OK | |
| 5) Seeps, Sheens, or NAPL in canal an | d wetlands. Record | time, observation locati | on (transect and offset from | |
| west bank), approximate elevation, de | scription (rate, volu | me, area), and action tal | cen (if any). | |
| 6:45 Rainbow Sheens ~ | | | | |
| 9:25 NAPL STRINGS A T | 711 13:20 E | 75 T | WL IN TRUCK 386.9 5. | |
| 9:25 NAPL RISING W/4+5 | 20.30 6 | 17740 10 | 710 11 110000 330.15. | |
| 6) NAPL Pressure Relief Wells (Activ | | • | | |
| | DNAPL level and ess (fbtoc) | DNAPL removed (gal.) | Final DNAPL level and thickness (fbtoc) | |
| RW14 /-9 | | 60 Sallons | Pumped dry | |
| RW11 5 - / 6 " | none | | MA | |
| RW10+25 6 - Z " | | | l | |
| | ۱. > | | N/A | |
| DUIO 190 F A # | 101 É | _ | N/A N/A | |
| DUIO 190 F A # | 101E | | | |
| RW9+80 5-10" | none | er filled cofferdam | N/A | |
| RW9+80 5 - 10 " 7) Water Control Structures at Outles | none t: pards water | | N/A sand berm | |
| RW9+80 5 - 10 " 7) Water Control Structures at Outlet Structure type (circle one): lash bo | t: oards wate feet Height of st | ructure above water surfa | sand berm | |
| RW9+80 5 - 10 " 7) Water Control Structures at Outlet Structure type (circle one): lash bo Lake side; Retained water depth: | t: oards wate feet Height of st. | ructure above water surface; Alignment & K | sand berm ce:feet | |

| DATE: 6 | 130/04 INSPEC | CTOR: J. Behlishes | WEATHER:_ | 20004 | |
|--|---|--|------------------------------|------------------------------|--|
| | PRECIPITATION IN PREVIOUS 24 HOURS: 37' WIND DIRECTION/SPEED: <5 from 50-44 | | | | |
| | | GS ACTIVE CONSTR | | | |
| Canal Stage | measurement time: | い: 05 Canal Reference Poi | nt_crest and Elevation | n 96.5 ft NGVD | |
| Canal Water | r Elevation _ 0.4 | ft; 96.1 ft NGVD | | | |
| Lake Stage | time: 16:05 | Lake Water55 ft above | /below weir crest (96.5 ft l | NGVD); 95,95 ft NGVD | |
| | ity (Active Construc | | | | |
| Time 1:4 | 5 ;Location: <u>7 9</u> | +30; PID reading: 0.1 | ppmV; Background:_ | O , ppmV | |
| Time 9:1 | 5 ;Location: T 10 | 125 - 39, PID reading: O. | 1 ppmV; Background:_ | <i>⊘</i> . ppmV | |
| 2) Environ | mental Controls: | | | , | |
| Sorbent Boo | om at Transect T-7: | Time: 6:4 | ; In-place; Perf | forming properly | |
| Boom/Curta | in at Transect T-9+3 | 0: Time: <u>६:५</u> | 5; In-place; Perf | forming properly | |
| Boom at Tra | ansect T-12+00: | Time: G:4 | 5; In-place; Perf | forming properly 🗸 | |
| Boom at pu | mp intake(Active Co | nstruction): Time: () : - | 😕 ; In-place; Perf | forming properly | |
| Curtain at C | Canal Outlet(Active C | Construction): Time: 10:6 | 5_; In-place; Perf | forming properly | |
| Boom at Ca | nal Outlet(Active Co | onstruction): Time: 10: | عَرِيِّ; In-place; Perf | forming properly | |
| 3) Assessm | ent of Water Qualit | y at Pump Discharge (Activ | e Construction):: | | |
| Time: 16. | مح ; sheens; Na | ンNEturbidity:\4、7 | NTU | macidified/acidified | |
| | | turbidity: | | unacidified/acidifed | |
| 4) Pumping | g Systems: Flee | el shut pump off e | 12:00 NO SECON | 10 435E38 men | |
| Pump on tir | ne: 9 : 45 Pump | off time: 15:00 Pu | imping duration since last | inspection: 6/29 | |
| By-Pass pur | np; Time: 10:00 | Suction secure; Va | ter Depth at Suction: 7 | 6.2 ft | |
| | | _Discharge hose; leakage | | | |
| 5) Seeps, Sl | heens, or NAPL in o | canal and wetlands. Record | time, observation location | on (transect and offset from | |
| west bank) | , approximate eleva ∼T-10 20′ | tion, description (rate, volume NAPL GLOBOLES | me, area), and action tak | sen (if any). | |
| 9:35 | | .40'E NAPL STRI | <i>y</i> , <i>y</i> = | ACE | |
| Fleet | replaces T | T-9 SAUGHGE BOOK | M; SWEEPS NA | LPL to W.W. CORACE | |
| 6) NAPL I | Pressure Relief Well | ls (Active Construction): | AND APPLIE | upe to w.w. caract | |
| Well | Water level fbtoc) | | DNAPL removed | Final DNAPL level and | |
| | | thickness (fbtoc) | (gal.) | thickness (fbtoc) | |
| RW14 | ~6 | 1.4 (.2 420) | x-88 gellons | SICKED DRY | |
| RW11 | 5.75 | 1.5 HED NO BHAPL | Noge | N/A | |
| RW10+25 | 6-1" | 10" H20 < 1" DAAPL | | p/A | |
| RW9+80 | 5.65 | none | None | NA | |
| 7) Water (| Control Structures 2 | nt Outlet: | | | |
| Structure ty | pe (circle one): | flash boards water | er filled cofferdam | sand berm | |
| | - | :feet Height of st | | | |
| Seepage: _ | Seepage: Po ; Condition: ; Alignment or | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | | | | | |
| Seepage: | Seepage: ; Condition: ; Alignment &K | | | | |
| | | # 27.5 " I | N VAC TRUCE ~4 | 125 gallons to tel. | |

| DATE: 7-1-04 INSPECTOR: D. Maynon | WEATHER: | CLEAR-CLOUDING OVERING | | |
|--|---------------------------------------|-----------------------------|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: NOTE WIT | | | | |
| TEMPERATURE (degrees F): 70-90 ACTIVE CONSTR | | | | |
| Canal Stage measurement time: 7.40 Canal Reference Po | | | | |
| Canal Water Elevation <u>B.43 B</u> ft; <u>96.67</u> ft NGVD | -07 | IBNYOCE | | |
| Lake Stage time: 7:40 Lake Water 0.57 ft above | below weir crest (96.5 ft | NGVD); <i>95,93</i> ft NGVD | | |
| 1) Air quality (Active Construction): | | | | |
| Time 7:20; Location: RW14; PID reading: 0-0 | 9./ ppmV; Background: | ppmV | | |
| Time 11:00 ;Location: T9+40,0 ns, PID reading: 0 | ppmV; Background: | ppmV | | |
| 2) Environmental Controls: T14+20 6:3 | 55° V | W | | |
| Sorbent Boom at Transect T-7: Time: 6:5 | 75; In-place; Peri | forming properly | | |
| Boom/Curtain at Transect T-9+30: Time: 62 | 75; In-place ; Perl | forming properly | | |
| Boom at Transect T-12+00: Time: | 75; In-place, Peri | forming properly | | |
| Boom at pump intake(Active Construction): Time: 7:3 | % ; In-place; Peri | forming properly | | |
| Curtain at Canal Outlet(Active Construction): Time: 7:3 | 58 ; In-place; Peri | forming properly | | |
| Boom at Canal Outlet(Active Construction): Time: 7:2 | <u> ろう;</u> In-place <u>ン</u> ; Peri | forming properly | | |
| 3) Assessment of Water Quality at Pump Discharge (Activ | ve Construction):: | | | |
| Time: 7:40; sheens; 10 turbidity: 12. | | | | |
| Time: 11:45; sheens; 10 turbidity: 13. | <mark>/</mark> / NTU | unacidified/acidifed | | |
| 4) Pumping Systems: | | | | |
| Pump on time: 7:35 Pump off time: //:50 Pump | imping duration since last | inspection: 5.25h/3 on 6/3 | | |
| By-Pass pump; Time: 7:35 Suction secure; Wa | ter Depth at Suction: 6.1 | 7-6.8 ft | | |
| Discharge secure;Discharge hose; leakage | M ; signs of wear; M | 2 couplings; OK | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record | | | | |
| west bank), approximate elevation, description (rate, volu 8:20 70 10:45 Sheens (Wo bubbles) Neleased 1 | me, area), and action tal | ken (if any). | | |
| | | 1720 70 111750, 22-72 129 | | |
| 10:45 NAPL Droplets @ 7/4+60,5" | 11 and 7/1+8/ | 0/1/1. | | |
| 10:70 WARL DISPIELS IN 1/4760) 3 M | 1 my 177100, | E) · VV | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | , , , , , , , , , , , , , , , , , , , | | | |
| Well Water level fbtoc) Initial DNAPL level and | DNAPL removed | Final DNAPL level and | | |
| RW14 6.00 (0.50 TRUK) 650 (1.20 THICK) | (gal.) | thickness (fbtoc) | | |
| 6.00 (0.00 1 Hay bi-20 (1.20 1 HILLS) | | | | |
| DIOFILITATION JABOARD | 0 | 0 451 | | |
| | 1 | 0.05' | | |
| 7) Water Control Structures at Outlet: | <u> </u> | | | |
| · | er filled cofferdam | sand berm | | |
| Lake gide: Detained system double: foot Height of structure above water system system system. | | | | |
| Lake side; Retained water depth: feet Height of structure above water surface: 1.67 feet (97.6) Seenage: All Condition: Alignment And | | | | |
| Seepage:; Condition:; Alignment; Alignment; Canal side; Retained water depth: feet Height of structure above water surface: feet | | | | |
| Seepage:; Condition:; Alignment; Alignment; | | | | |
| secpage | | | | |

| DATE: 7-2-04 INSPECTOR: D. MAYMARD WEATHER: SUNNY | | | | |
|--|------------|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: 1.1" WIND DIRECTION/SPEED: 1-5 Mph, 50. | | | | |
| TEMPERATURE (degrees F): 70 ACTIVE CONSTRUCTION: (Y/N) | | | | |
| Canal Stage measurement time: 7:00 Canal Reference Point crest and Elevation 965 ft NGVD | | | | |
| Canal Water Elevation 2.47 A.ft; 96.97 ft NGVD | | | | |
| Lake Stage time: 7:00 Lake Water O.O ft above below weir crest (96.5 ft NGVD); 9390 ft NGVD | | | | |
| 1) Air quality (Active Construction): | | | | |
| Time 7:30;Location: RW/4; PID reading: 0 ppmV; Background: ppmV | | | | |
| Time: ;Location:; PID reading: ppmV; Background: ppmV | | | | |
| 2) Environmental Controls: | | | | |
| Sorbent Boom at Transect T-7: Time: 7:35; In-place; Performing properly | | | | |
| Boom/Curtain at Transect T-9+30: Time: 7:35; In-place ; Performing properly | | | | |
| Boom at Transect T-12+00: Time: 7:35; In-place; Performing properly | | | | |
| Boom at pump intake(Active Construction): Time: 6:55; In-place; Performing properly 1 | | | | |
| Curtain at Canal Outlet(Active Construction): Time: 4:55; In-place; Performing properly | | | | |
| Boom at Canal Outlet(Active Construction): Time: 6:55, In-place ; Performing properly 1/ | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: | | | | |
| Time: 7:00; sheens; 40 turbidity: #/= /BONTU #2=19./MONTU unacidified /acidified | | | | |
| Time: 12:40; sheens; NO turbidity: #2 206 NTU NTU unacidified/acidifed | | | | |
| 4) Pumping Systems: #110:35 | | | | |
| Pump on time: 6:55 Pump off time#2 12:45 Pumping duration since last inspection: 4.25 Mb on 1 | 7/ | | | |
| By-Pass pump; Time: 6:55 Suction secure; Water Depth at Suction: 17.6 ft | • | | | |
| Discharge secure;Discharge hose; leakage; signs of wearcouplings; | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset from | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). 7:40 Sheep 5 on north 13 of canal between 19130 + 112160 | | | | |
| 9:05 MADE NEWAGED AN WINTER BUNDACE CLAVE TU+20-TIHAD ZE- | ~) | | | |
| 7:15 sheeps on contained ones on Surface uniter Cura TVA+180, |) [1] | | | |
| The state of the s | س | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): 620 Gal In Truck after Punging | | | | |
| Well Water level fbtoc) Initial DNAPL level and DNAPL removed Final DNAPL level and | | | | |
| RW14 505 (12444) (75 (4 (24444) 1044) 1044 00000 00000 | \dashv | | | |
| RW14 5.05 (1.7 thick) 6.75 (0.63 thick) 1046. water pumper org | | | | |
| | \dashv | | | |
| DW0100 010000000000000000000000000000000 | \dashv | | | |
| 17.30 (20 111/1 O (2110g)) | | | | |
| 7) Water Control Structures at Outlet: opened by pass spillway sluice @ 10:30 Structure type (circle one): clash boards water filled cofferdam sand berm | | | | |
| 17 /27 | | | | |
| | | | | |
| Seepage:; Condition:; Alignment; Alignment; Canal side; Retained water depth: feet Height of structure above water surface: feet | | | | |
| Uanai side: Relained water debin: M. 1.77 Teer Height of stricture above water surface: M. 1.5 feet | | | | |
| Alternative description of the second | | | | |
| Seepage: MINDR 50005; Condition: GOOD; Alignment GOOD | | | | |

| DATE: 7-6-04 INSPECTOR: D. Mayno | WEATHER: | overast - Portly cloudy | | |
|--|---|--------------------------------------|--|--|
| | ., | | | |
| PRECIPITATION IN PREVIOUS 24 HOURS: 235 TEMPERATURE (degrees F): 5-75 ACTIVE CO | vet/2 nstruction: 186 (y/n) |) | | |
| Canal Stage measurement time: 6:50 Canal Referen | 140 4-16 | n <u>96, 5</u> ft NGVD | | |
| Canal Water Elevation 6.07 ft A 96.57 ft NG | | <u> </u> | | |
| Lake Stage time: 6:50 Lake Water 0.90 ft | | NGVD); <i>95.60</i> ft NGVD | | |
| 1) Air quality (Active Construction): | | | | |
| Time 7:30; Location: RW14; PID reading: | 0.1-0.5 ppmV; Background:_ | <i>O</i> ppmV | | |
| Time 8:45 ;Location: RW10+25; PID reading: 2) Environmental Controls: | 0 ppmV; Background:_ hole-3 above opening o. | 3 to 0. Bygner Est. 0 ppm | | |
| , | 10:17; In-place : Perf | 2.00 | | |
| Boom/Curtain at Transect T-9+30: Time:_ | 10:17; In-place; Perf | forming properly ν | | |
| | 10:17; In-place /; Perf | | | |
| Boom at pump intake(Active Construction): Time:_ | 6:45; In-place; Perf | orming properly | | |
| Curtain at Canal Outlet(Active Construction): Time:_ | 6:45; In-place / ; Perf | orming properly | | |
| Boom at Canal Outlet(Active Construction): Time:_ | 6:50; In-place ∠; Perf | orming properly | | |
| 3) Assessment of Water Quality at Pump Discharge (| Active Construction):: | | | |
| Time: 6:50; sheens; NO turbidity: 9.3 | <i>8 +/(1.0</i>) | unacidified /acidified | | |
| Time: //:00; sheens; NO turbidity: //- | 0+ 1/. 2 NTU | unacidified/acidifed | | |
| 4) Pumping Systems: pump on since 15:45 | | | | |
| Pump on time: Pump off time: 16-30 | _ Pumping duration since last | inspection: 15 hns | | |
| By-Pass pump; Time: 6:45 Suction secure; | _ Water Depth at Suction: 7. | 2 ft | | |
| Discharge secure;Discharge hose; leakag | e <u>NO</u> ; signs of wear; <u>OK</u> | couplings; | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. R | • | ` | | |
| west bank), approximate elevation, description (rate, 9:50 -10:50 and engoing - 1/2 NAPL B | volume, area), and action tak IBB [17] (14] | en (if any). Letenses with sheems | | |
| TO cond surface TIO+50 to TIO+40, | 30 40'E and Tiltou | 1 TO THI 40, 30-50'E | | |
| 7:15 NICKEL sheeps 1-2 Diam on water @ T19+80,5 wand T19+60,0 W | | | | |
| ADDED BOOMS TO FULLY CONTAIN 6 6) NAPL Pressure Relief Wells (Active Construction | Sheens of high was | eff, | | |
| Well Water level fbtoc) Initial DNAPL level a: | 1100 110 | Final DNAPL level and | | |
| thickness (fbtoc) | (gal.) | thickness (fbtoc) | | |
| RW14 5.30 (20 HNCH) 7.30 (0 AZ ThIC | () 151/relland water | Pumbed Dra | | |
| RW11 5-28 (2.08 + back) 0 | o sheen | 0.75 ton 76 | | |
| RW10+25 5.60 (1.314hick) 6.91 (0.22'th) | CK Lawlan | 1.05 | | |
| RW9+80 5,10 (1,53'thick) 0 | 6 sheen | 0 | | |
| 7) Water Control Structures at Outlet: | | Drum has 156x after punying | | |
| Structure type (circle one): tlash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Heigh | t of structure above water surfac | e: <u>2.0</u> feet | | |
| Scepage:, Condition:, Alignment, | | | | |
| Canal side; Retained water depth: 0.07 feet Height of structure above water surface: 1.03 feet | | | | |
| Seepage: MINO/Leak ; Condition: OK | ; Alignment <i>OK</i> | | | |

| DATE: 7-7-09 INSPECTOR: D. MAYA | ARD WEATHER: | Clear | | |
|--|---|-------------------------------|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS:W | | | | |
| TEMPERATURE (degrees F): 65-759ACTIVE CONST | RUCTION: Wes (Y/N | | | |
| Canal Stage measurement time: 11:00 Canal Reference F | | | | |
| Canal Water Flevation 0.18 13ft; 96.3 2 ft NGVD | | | | |
| Lake Stage time: # Lake Water 0.86 ft above | e/below/weir crest (96.5 ft | NGVD); <i>95.6.2</i> t NGVD | | |
| 1) Air quality (Active Construction): | | | | |
| Time 7:25; Location: RW14; PID reading: 0~ | 7.3 ppmV; Background: | ppmV | | |
| Time 14:05 ;Location: 78+40, 35 E PID reading: 0. | - · · · · · · · · · · · · · · · · · · · | | | |
| 2) Environmental Controls: | _ | | | |
| Sorbent Boom at Transect T-7: Time: 8: | <u>/</u> 5; In-place; Per | forming properly | | |
| Boom/Curtain at Transect T-9+30: Time: 8 | : 15; In-place; Per | forming properly 🔑 | | |
| Boom at Transect T-12+00: Time: 8 | :15; In-place $ u$; Per | forming properly | | |
| Boom at pump intake(Active Construction): Time: 1/2 | <i>00</i> ; In-place 🖊 ; Per | forming properly | | |
| Curtain at Canal Outlet(Active Construction): Time: | 100; In-place; Per | forming properly | | |
| Boom at Canal Outlet(Active Construction): Time: // | 100; In-place 12; Per | forming properly | | |
| 3) Assessment of Water Quality at Pump Discharge (Act | ive Construction):: NO | PUMPINA | | |
| Time:; sheens; turbidity: | | | | |
| Time:; sheens;turbidity: | NTU | unacidified/acidifed | | |
| 4) Pumping Systems: NO PUMPING | | • | | |
| Pump on time: Pump off time: | Pumping duration since last | inspection: | | |
| By-Pass pump; Time: Suction secure; W | | | | |
| Discharge secure; Discharge hose; leakage | ; signs of wear; | couplings; | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Reco | d time, observation locati | ion (transect and offset from | | |
| west bank), approximate elevation, description (rate, vol | ume, area), and action tal | ken (if any). | | |
| 8-15 +0% of Cond between | IL ONA 19TOU (D | versi us preeus ju rije | | |
| | | | | |
| | • | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | |
| Well Water level fbtoc) Initial DNAPL level and | DNAPL removed | Final DNAPL level and | | |
| RW14 CASTA TIBLE 2 24 (05) | (gal.) | thickness (fbtoc) | | |
| RW11 5-905.70 7-18 7.24 (0.56) | ' | Pumped On | | |
| | o sheen | 0 | | |
| RW9+80 7.08 (0:15 thick) | 1641 | 8.03 | | |
| The state of the s | O GREEN | 0 | | |
| 7) Water Control Structures at Outlet: | | | | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet Seepage: | | | | |
| Seepage: ; Condition: ; Alignment; Alignment; Canal side; Retained water depth: feet Height of structure above water surface: 1.98 feet | | | | |
| Seepage:; Condition:; Alignment; Alignment; | | | | |
| seepage: C) ; Condition: E) ; Alignment; | | | | |

| DATE: 7/8/04 INSPECTOR: J. Behrs | WEATHER: CLOUDY THEN PARTLY | | |
|---|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: .43" | WEATHER: CLOUDY THEN PARTLY WIND DIRECTION/SPEED: 5-10/SOUTH | | |
| TEMPERATURE (degrees F): 75° ACTIVE CO | NSTRUCTION: N (Y/N) | | |
| Canal Stage measurement time: 13:35 Canal Referen | | | |
| Canal Water Elevation O , C 5 ft; 96.55 ft NG | VD | | |
| Lake Stage time: 13.35 Lake Water . 9 ft | above/below weir crest (96.5 ft NGVD); _95,6 ft NGVD | | |
| 1) Air quality (Active Construction): | | | |
| Time : ;Location:; PID reading: | ppmV; Background:ppmV | | |
| Time : ;Location: ; PID reading: | ppmV; Background: ppmV | | |
| 2) Environmental Controls: | | | |
| | 7:00; In-place ; Performing properly | | |
| Boom/Curtain at Transect T-9+30: Time: | 7.00; In-place; Performing properly | | |
| Boom at Transect T-12+00: Time: | 7:50; In-place ; Performing properly | | |
| ` ` ` ` | ; In-place; Performing properly | | |
| Curtain at Canal Outlet(Active Construction): Time: | (3:35; In-place ; Performing properly | | |
| Boom at Canal Outlet(Active Construction): Time: | 3:35; In-place; Performing properly | | |
| 3) Assessment of Water Quality at Pump Discharge | (Active Construction):: | | |
| Time:; sheens; turbidity: | | | |
| Time:; sheens; turbidity: | /NTU unacidified/acidifed | | |
| 4) Pumping Systems: No $POMP$ | (N) | | |
| Pump on time: Pump off time: | Pumping duration since last inspection: | | |
| By-Pass pump; Time: Suction secure; | _ Water Depth at Suction:ft | | |
| Discharge secure;Discharge hose; leakag | re; signs of wear; couplings; | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. R | ecord time, observation location (transect and offset from | | |
| west bank), approximate elevation, description (rate | , volume, area), and action taken (if any). | | |
| DNAPL VACEUMINE | | | |
| | | | |
| • | | | |
| 6) NAPL Pressure Relief Wells (Active Construction | | | |
| Well Water level fbtoc) Initial DNAPL level a | i l | | |
| thickness (fbtoc) RW14 5-5" 18" H ₂ 0 8" DN AF | (gal.) thickness (fbtoc) | | |
| RW11 5.35' NONE | NA | | |
| RW10+25 5.67' lift total 20,1'0 | | | |
| RW9+80 5.2' NONE | NA | | |
| 7) Water Control Structures at Outlet: | | | |
| Structure type (circle one): flash boards | water filled cofferdam sand berm | | |
| Lake side; Retained water depth:feet Heigh | | | |
| · · · · · · · · · · · · · · · · · · · | | | |
| Seepage:; Condition:; Alignment Canal side; Retained water depth: feet Height of structure above water surface: feet | | | |
| Seepage:; Condition: | | | |
| , continon. | , , | | |

| DATE: 7 | $\frac{\sqrt{9}}{\sqrt{9}}$ INSPEC | CTOR: Joel Behr | خ المع WEATHER:_ | CLOUBY/RAIN AM | |
|---|---|-------------------------------|------------------------------------|------------------------------|--|
| PRECIPITA | PRECIPITATION IN PREVIOUS 24 HOURS: 0.18" WIND DIRECTION/SPEED: KS FM NOW MY | | | | |
| | | 65° ACTIVE CONSTR | | | |
| Canal Stage | measurement time: | 8:55 Canal Reference Poi | nt CKETT and Elevatio | n <u>96.5</u> ft NGVD | |
| | | ft; <u>96,65</u> ft NGVD | | 96, | |
| | | Lake Water <u>85</u> ft above | below weir crest (96.5 ft) | NGVD); <u>95,65</u> ft NGVD | |
| 1) Air qual | ity (Active Constru | ction): | | | |
| Time: | ;Location: | ; PID reading: | ppmV; Background:_ | ppmV | |
| Time:_ | ;Location: | ; PID reading: | ppmV; Background:_ | ppmV | |
| 2) Environ | mental Controls: | | | | |
| Sorbent Boo | om at Transect T-7: | Time: <u>& O</u> | ; In-place; Perf | forming properly | |
| Boom/Curta | ain at Transect T-9+3 | 0: Time: 8'. 0 | ♡; In-place; Perf | forming properly | |
| Boom at Tr | ansect T-12+00: | Time: <u>8</u> : 0 | ್ರು; In-place; Perf | forming properly | |
| Boom at pu | mp intake(Active Co | nstruction): Time: | ; In-place; Perf | forming properly | |
| Curtain at C | Canal Outlet(Active C | Construction): Time: 8.5 | <u>ち</u> ; In-place <u></u> ; Perf | orming properly | |
| Boom at Ca | nal Outlet(Active Co | | | orming properly | |
| 3) Assessm | ent of Water Qualit | y at Pump Discharge (Activ | e Construction):: | | |
| Time: | ; sheens; | turbidity: | NTU | unacidified /acidified | |
| Time: | ; sheens; | turbidity: | NTU | unacidified/acidifed | |
| 4) Pumping | g Systems: | NO PUMPIA | 7 (2 | | |
| | | off time: Pu | | inspection: | |
| By-Pass pur | mp; Time: | Suction secure; Wat | ter Depth at Suction: | ft | |
| Discharge s | ecure; | _Discharge hose; leakage | ; signs of wear; | couplings; | |
| 5) Seeps, Si | heens, or NAPL in o | canal and wetlands. Record | time, observation location | on (transect and offset from | |
| west bank) | , approximate eleva | tion, description (rate, volu | me, area), and action tak | en (if any). | |
| | | | | | |
| | | | | | |
| | | | | | |
| 6) NAPL I | Pressure Relief Well | ls (Active Construction): | | | |
| Well | Water level fbtoc) | Initial DNAPL level and | DNAPL removed | Final DNAPL level and | |
| D31/1 4 | 1 72/ | thickness (fbtoc) | (gal.) | thickness (fbtoc) | |
| RW14 | 6.33' | 27" liquid 7" ONAPL | | | |
| RW11 | 5.25 | NONE | | | |
| RW10+25 | <u> </u> | 1.6 Total ,1-,2 DNA | P(- | | |
| RW9+80 | 5.1 | NONE | L | | |
| , | Control Structures a | nt Outlet: WITH OPE | THING @ S. ABUT | OVER LREST | |
| - | pe (circle one): (| flash boards water | er filled cofferdam | sand berm | |
| | Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | |
| Seepage:; Condition:; Alignment | | | | | |
| Canal side; Retained water depth: N/A feet Height of structure above water surface:feet | | | | | |
| Seepage:; Condition:; Alignment | | | | | |

| | DATE | : 7/12/04 INS | PECTOR: JMV/ | DMM | WI | EATHER | : Darily Cloudy |
|---------------|-------------|--|---|---------------------|--------------------------------|----------------|---------------------------------------|
| <i>"</i>) | | | | | | |): <u>5.20 mph</u> su wind |
| 5.7 | | ERATURE (degrees l | | | | | |
| | | ckness in Canal circa | · | | | | |
| | | | • | | | • | ion 96.5 ft NGVD |
| | | Water Elevation | | • | Arres | | |
| | | | | | | st (96.5 f | t NGVD); <u>95,70</u> ft NGVD |
| | 1) Air | quality (Active Cons | struction): (more | note in breet | hins 304) | | |
| | Time_ | 8:00 ;Location: 1 | orimay took; PID r | eading: <u>(0.3</u> | - 1.1 ppmV; Ba | kground | : <u>0.0</u> ppmV |
| | | 9:05 :Location: 4 | • | | | | |
| | 2) Env | ironmental Controls | - B : _ | | | | |
| | Sorben | it Boom at Transect T | -7: | Time: 0 | <u>130 ;</u> In-place_ | <u> </u> | rforming properly |
| | Boom/ | Curtain at Transect T- | -9+30: | Time: <u>0</u> ° | 30 ; In-place_ | <u> </u> | rforming properly |
| | Boom | at Transect T-12+00: | | Time: 09 | 30_; In-place_ | <u>سر</u> ; Pe | rforming properly |
| | Boom | at pump intake(Active | e Construction): | Time: | ; In-place | ; Pe | rforming properly |
| | Curtair | n at Canal Outlet(Acti | ve Construction): | Time: | ; In-place_ | ; Pe | rforming properly |
| | Boom | at Canal Outlet(Active | e Construction): | Time: | ; In-place_ | ; Pe | rforming properly |
| | 3) Ass | essment of Water Qu | iality at Pump Dis | charge (Ac | tive Construction | i):: N/A | |
| | Time:_ | ; sheens; | turbid | ity: | | NT | J unacidified /acidified |
| () () | Time:_ | ; sheens; | turbid | ity: | | NT | U unacidified/acidifed |
| <i>;</i> | 4) Pun | nping Systems: NA | l | | | | |
| | Pump | on time: Pu | ump off time: | | Pumping duration | since las | t inspection: |
| | By-Pas | ss pump; Time: | Suction secure | ; V | Vater Depth at Su | ction: | ft |
| | Discha | rge secure; | Discharge hose | e; leakage | ; signs of v | vear; | couplings; |
| | 5) Seep | ps, Sheens, or NAPL | in canal and wetla | ands. Reco | rd time, observat | tion loca | tion (transect and offset from |
| | west b | ank), approximate el l shevo withen | levation, description Containment Over | on (rate, vo | lume, area), a <mark>nd</mark> | action to | uken (if any). Object Swemp pools, |
| | | | | | | | |
| | Ir | 10 Area 3, ord v | siled up hose: | for by-p | oss pump, ru | moved 1 | olf of porting orea |
| | | PL Pressure Relief V | • | - | , , , | | |
| | Well | Water level (fbtoc) | Initial DNAPL lev | vel (fbtoc) | DNAPL remove | d (gal.) | Final DNAPL level (fbtoc) |
| RWII | | 5.30 | 0 | | NIA | | . 0 |
| RN48 | _ | 5.16 | 0 | | NIA | | 0 |
| KWIO + | <i>2</i> #3 | 0- | 7.05, 6.05 th | rick | NIA | | 7.1 |
| | 7) Wa | iter Control Structur | es at Outlet: N/A | -pulled t | 1cshboards toc | tay | • |
| | | re type (circle one): | | | ater filled cofferda | | sand berm |
| | Lake s | ide; Retained water de | epth:feet | Height of | structure above w | ațer surf | ace:feet |
| | | ge: | | | | | |
| • | Canal s | side; Retained water d | epth:feet | Height of | structure above w | ater surf | ace:feet |
| | Seepag | ge: | | | | | |
| Í | 71.00 | K:\1-0870-1\NAPL response str | | ì | | . | 7.00 |
| | LNM | 5.3S | 7.00,65' thick | <u></u> | NIA | | 1.00 |

| | DATE: | : <u>7/12/04</u> ins | PECTOR: JUI/J-E | WEATHER | : Danky Cloudy | | | |
|---------|--------------------------------------|-------------------------------|--|---|-----------------------------------|--|--|--|
| | PRECI | PITATION IN PREV | IOUS 24 HOURS: | WIND DIRECTION/SPEED | : 0-10 man & wind | | | |
| | | |): <u>70</u> ACTIVE CONS | | , | | | |
| | Ice thic | kness in Canal circa T | r9:inches s | Snow depth circa T9: | inches | | | |
| | Canal S | Stage measurement tin | ne: <u>0914</u> Canal Reference | Point way and Elevat | ion <u>96.5</u> ft NGVD | | | |
| | Canal ' | Water Elevation | ft; <u>96.5</u> ft NGVI | D CACO | | | | |
| | Lake S | tage time: <u>0914</u> | Lake Water <u>O. G.</u> ft ab | ove/below weir crest (96.5 f | t NGVD); <u>95 (2</u> ft NGVD | | | |
| | 1) Air | quality (Active Cons | truction): | _ | | | | |
| | Time 9 | 3:40 ;Location: <u>T</u> | <u>9-30 ∤a≆;</u> PID reading: <u>0</u> | <u>) ₁/).⊋</u> ppmV; Background | :_ <i>O.()</i> ppmV | | | |
| | Time/ | 1:30 ;Location: _ | PID reading: _ (| <u>O.O</u> ppmV; Background | : <u><i>O_O</i></u> ppmV | | | |
| | 2) Env | ironmental Controls | : | | | | | |
| | Sorben | t Boom at Transect T- | 7: Time: <u>(</u> | <u>)9/0 ;</u> In-place <u> ⁄ ;</u> Pe | rforming properly | | | |
| | Boom/ | Curtain at Transect T- | 9+30: Time: <u>O</u> | <u>''///</u> ; In-place <u>//</u> ; Pe | rforming properly | | | |
| | Boom | at Transect T-12+00: | Time:_ <i></i> | <u>'910 ;</u> In-place <u> // ;</u> Pe | rforming properly | | | |
| | Boom | at pump intake(Active | : Construction): Time: | MA_; In-place; Pe | rforming properly | | | |
| | Curtair | ı at Canal Outlet(Activ | ve Construction): Time: | <u>U/A ; In-place ; Pe</u> | rforming properly | | | |
| | Boom | at Canal Outlet(Active | e Construction): Time: | <u>///A ; In-place </u> | rforming properly | | | |
| | 3) Asse | essment of Water Qu | ality at Pump Discharge (A | ctive Construction):: ル/A: | no purping | | | |
| | | | turbidity: | | | | | |
| | Time:_ | ; sheens; | turbidity: | NT | U unacidified/acidifed | | | |
| | 4) Pumping Systems: NIA - NO PUMPING | | | | | | | |
| | Pump o | on time:Pı | ımp off time: | Pumping duration since las | st inspection: | | | |
| | By-Pas | ss pump; Time: | Suction secure; | Water Depth at Suction: | ft | | | |
| | Discha | rge secure; | Discharge hose; leakage_ | ; signs of wear; | couplings; | | | |
| | 5) Seep | ps, Sheens, or NAPL | in canal and wetlands. Rec | ord time, observation loca | tion (transect and offset from | | | |
| | west b | ank), approximate el | levation, description (rate, v | olume, area), and action to | aken (if any). | | | |
| | | , | y; Cleet alemosted phops | s, acons, sin comon", | ICMURA GRIVA | | | |
| | | osion mak | | | | | | |
| | | | | | · · · · · · · · · · · · · · · · · | | | |
| | 6) NA | PL Pressure Relief V | Wells (Active Construction): | | | | | |
| | Well | Water level (fbtoc) | Initial DNAPL level (fbtoc) | DNAPL removed (gal.) | Final DNAPL level (fbtoc) | | | |
| RWI | #1 | 5.39' | NIA-no NAR prisent | " | " | | | |
| Ru CASO | #2 | | NIA- no NAPL present | | | | | |
| P1 5 | #3 | 5.72 | 7.02' (0.08' thick) | NIA - not octive const | 6. | | | |
| | 7) Wa | iter Control Structur | es at Outlet: N/A-flosh b | onds disassentlede T | 1/12/89 | | | |
| | Structu | re type (circle one): | flash boards | water filled cofferdam | sand berm | | | |
| | Lake s | ide; Retained water de | epth:feet Height of | of structure above water surf | ace:feet | | | |
| | Seepag | ge; | ; Condition: | ; Alignment | | | | |
| | Canal | side; Retained water d | epth:feet Height of | of structure above water surf | ace:feet | | | |
| | Seepag | | ; Condition: | | | | | |
| Ţ | | K:\1-0870-1\NAPL response str | ategy\1210West Bank Cap Environmental insp | | | | | |
| | RW14 | 5.45 | 7.05 (0.70 thick) | NIA- not active and. | <u>"</u> | | | |

| DATE: 7 | 14/04 INSPEC | TOR: J. Jel | rsing | WEATH | IER: MOSTLY | CLOUDY |
|--------------|--------------------------------|-------------------------|--|---|--------------------|--|
| DDECTOTA | TION IN PREVIOU | S 24 HOURS: / | საუ≅WIN | D DIRECTION/SPI | BED: | um Sout It |
| TEMPER AT | TIRE (deprees F): | 45° activ | E CONSTRU | UCTION: 10 | (Y/N) | |
| Canal Stage | measurement time: | 11500 Canal F | Reference Poi | nt CREST and Ele | evation 96.5 f | NGVD |
| Count Motor | Elevation 6 | n. 9615 | ft NGVD | | | |
| Lake Stage | ime: 14'm | Lake Water | 76 ft above | below weir crest (90 | 5.5 ft NGVD); 🖳 | 15.5 ANGVD |
| | ity (Active Construc | | | - | | |
| | 5 ;Location: Tile | | ading: 0.0 * 0 | .S ppmV; Backgro | und: <u>0.0</u> | ppmV |
| | Location: T4 | | | | | |
| | mental Controls: | • | | , | | |
| • | om at Transect T-7: | | Time: 9:3 | ; In-place | ; Performing prop | perly |
| Boom/Curta | in at Transect T-9+3 | 0: | Time: 9:3 | e ; In-place | ; Performing prop | perly |
| Boom at Tr | ansect T-12+00: | | Time: 9:3 | in-place in-place in-place | ; Performing pro | perly |
| Boom at pu | mp intake(Active Co | nstruction): | Time: NA | ; In-place, | ; Performing pro | perly |
| Curtain at C | Canal Outlet(Active C | Construction): | Time: NA | : In-place | ; Performing pro | perly |
| Boom at Ca | nal Outlet(Active Co | onstruction): | Time: N/A | in-place | ; Performing pro | perly |
| 3) Assessm | ent of Water Qualit | y at Pump Disc | harge (Activ | e Construction):: | NA | |
| Time: | ; sheens;; | turbidi | ty: | 1 | NTU unacidified | /acidified |
| Time: | ; sheens; | turbidi | ty: | $I^{\frac{2n}{2}}$ | NTU unacidified | /acidifed |
| | Systems: N/A | | | | | |
| | ne:Pump | | Pu | mping duration sinc | e last inspection: | |
| By-Pass pur | mp; Time: | _Suction secure: | | ter Depth at Suction | | _ft |
| Discharge s | ecure; | Discharge hose, | leakage | ; signs of wear; | coupling | 5 5; |
| 5) Seeps, S | heens, or NAPL in | canal and wetla | nds. Record | time, observation | location (transec | t and offset from |
| west bank) | , approximate eleva | ition, descriptio | u (rate, volu | me, area), and actio | on taken (if any) | • |
| | | | g pag ar germana, p. or al orbitals. The betweenth | والمركزون المتالد ووالمراورة والمراورة والمتالد والمراورة والما | | |
| | | | | | | The second secon |
| 6) NAPL I | Pressure Relief Wel | ls (Active Const | ruction): | | | |
| Well | Water level fbtoc) | | | DNAPL removed | Final DN | APL level and |
| | | thickness (fbto | | (gal.) | thickness | (fbtoc) |
| RW14 | 5.46 | 2.33 TOTAL/ | THE R. P. LEWIS CO., LANSING, MICH. LANSING, MICH. | | | |
| RW11 | 5.38' | 2,13" TOTAL | <i></i> | | | |
| RW10+25 | | 1.54' TOTAL/ | .25 DNAPL | | | |
| KW9+80 | 5.21' | 1.42 10702 | /NO OIL | | _ | |
| • | Control Structures | it Outlet: $$ | A | 1- | | |
| - | pe (circle one): | flash boards | | r filled cofferdam | | |
| | Retained water depth | | | | | |
| - • | | | | | | |
| | Retained water depti | | - | | | |
| | | | | | | |
| K M- | 0870-1\NAP1, response strategy | 17-04 West Bank Cap Boy | COUNTRIES IN A SECOND | uregalys, soc | | |

| DATE: 7/15/04 INSPE | CTOR: D May | nad TVE | sbugh weath | ER: //// - |
|--|-----------------------|-----------------|-------------------------------|-----------------------------------|
| PRECIPITATION IN PREVIO | US 24 HOURS: | 9.37" WIN | D DIRECTION/SPE | ED: ()-10 mpH & W |
| TEMPERATURE (degrees F): | | | | |
| Canal Stage measurement time: | | | | |
| Canal Water Elevation | | | | |
| | | | below weir crest (96 | .5 ft NGVD); 95.53 t NGVD |
| 1) Air quality (Active Constru | iction): | | | |
| Time 8: 14; Location: 79 | 495 PID re | eading: 0.2 · 6 | ppmV; Backgrou | and: <i>0.6</i> ppmV |
| 1) Air quality (Active Construction: 8: 14; Location: 79 Time 15: 46; Location: 711- | 05 33 ; PID re | eading: 🔥 | ppmV; Backgrou | ınd: O.\$ ppmV |
| 2) Environmental Controls: | - | | . | |
| Sorbent Boom at Transect T-7: | | Time: 7 | 30 ; In-place <u> </u> | Performing properly |
| Boom/Curtain at Transect T-9+ | 30: | Time: 7:4 | 5; In-place /; | Performing properly |
| Boom at Transect T-12+00: | | Time: 7.4 | O; In-place; | Performing properly |
| Boom at pump intake(Active C | onstruction): | Time: NA | ; In-place; | Performing properly |
| Curtain at Canal Outlet(Active | Construction): | Time: | 5; In-place; | Performing properly |
| Boom at Canal Outlet(Active C | onstruction): | Time: NA | ; In-place; | Performing properly |
| 3) Assessment of Water Quali | | • | | |
| Time:; sheens; | turbidi | ty: | | NTU unacidified /acidified |
| Time:; sheens; | turbidi | ity: | 1 | NTU unacidified/acidifed |
| 4) Pumping Systems: NON | 左 | | | |
| Pump on time: Pum | p off time: | Pu | mping duration since | e last inspection: |
| By-Pass pump; Time: | _ Suction secure | ; Wa | ter Depth at Suction: | ft |
| Discharge secure; | _Discharge hose | ; leakage | ; signs of wear;_ | couplings; |
| 5) Seeps, Sheens, or NAPL in | canal and wetla | nds. Record | time, observation le | ocation (transect and offset from |
| west bank), approximate elev | ation, descriptio | n (rate, yolu | me, area), and actio | n taken (if any). |
| NO Sheens, NA | 12,00019 | in Ave | 16, BOSIN, O | r canal beyond |
| CONTOUNER ONE | 2 (79+30 | 40112 | 160) | |
| 6) NAPL Pressure Relief We | lls (Active Cons | truction): | | , |
| Well Water level fbtoc) | 1 | | DNAPL removed | Final DNAPL level and |
| DW14 4 | thickness (fbto | | (gal.) | thickness (fbtoc) |
| RW14 5.25 | 6.96' | 0.67) | NONE | some |
| RW11 6,20 | NONE | (| NONE | sheen |
| RW10+25 5.61 | 7.17 | (0.23) | NONE | some |
| RW9+80 6,10 | NONE | | None | ABNE |
| 7) Water Control Structures | • | | | |
| Structure type (circle one): | flash boards | | er filled cofferdam | sand berm |
| Lake side; Retained water dept. | | - | | |
| Seepage: | | | | |
| Canal side; Retained water dep | | | | |
| Seepage: | _; Condition: | | ; Alignment | |

| DATE:/ | /16/04 INSPE | CTOR: <u>JMV</u> | IDMM | WEA | THER: Showers |
|--|---------------------------------------|-------------------------|----------------------|-------------------------|-------------------------------------|
| PRECIPIT <i>A</i> | ATÍON IN PREVIQ | JS 24 HOURS: | .31 WIN | ND DIRECTION/S | PEED: <u>5-10 mph</u> 3 wind |
| TEMPERA | TURE (degrees F): 2 | ACT | IVE CONSTR | UCTION: N | _(Y/N) |
| | | | | | |
| Canal Wate | r Elevation _0 | _ft; _ 96.5 | ft NGVD | CAR | _ |
| PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 WIND DIRECTION/SPEED: 5-12-13 WARTHER: 5-10W/RS PRECIPITATION IN PREVIOUS 24 HOURS. 21 WARTHER: 5-10W/RS DATE: 5 | | | | | |
| 1) Air qual | ity (Active Constru | ction): | | | 0.2 |
| Time 8 : 6 | 5_;Location: TII+ | 00,*3 \$; PID r | reading: 0.2- | ე. წ ppmV; Backg | round: OA O 🐺 ppmV |
| | | | | | |
| 2) Environ | mental Controls: 🏕 | ve | | | |
| Sorbent Boo | om at Transect T-7: | | | | |
| Boom/Curta | ain at Transect T-9+3 | 30 : | Time: 0715 | ; In-place $ u$ | ; Performing properly |
| Boom at Tra | ansect T-12+00: | | Time: <u>071.</u> | ; In-place 🛌 | ; Performing properly |
| Boom at pu | mp intake(Active Co | onstruction): | | | |
| Curtain at C | Canal Outlet(Active (| Construction): | Time: 1125 | ; In-place <i>_</i> | ; Performing properly |
| Boom at Ca | anal Outlet(Active Co | onstruction): | Time: N/A | ; In-place | ; Performing properly |
| 3) Assessm | ent of Water Quali | ty at Pump Dis | charge (Activ | e Construction):: | NIA-no pumping |
| Time: | ; sheens; | turbid | lity: | | _NTU unacidified /acidified |
| Time: | ; sheens; | turbid | lity: | | _NTU unacidified/acidifed |
| 4) Pumping | g Systems: N/A-N | punping | | | |
| Pump on tir | me: Pump | off time: | Pı | umping duration si | nce last inspection: |
| By-Pass pur | mp; Time: | _ Suction secure | e; Wa | iter Depth at Suctio | on:ft |
| Discharge s | secure; | _Discharge hose | e; leakage | ; signs of wea | r;couplings; |
| 5) Seeps, S | heens, or NAPL in | canal and wetl: | ands. Record | l time, observation | n location (transect and offset fro |
| west bank) | , approximate eleva | ıtion, descripti | on (rate, volu | me, area), and ac | tion taken (if any). |
| | · · · · · · · · · · · · · · · · · · · | | | | |
| | | | | | |
| 6) NAPL I | Pressure Relief Wel | ls (Active Cons | struction): | | |
| Well | Water level fbtoc) | | | i | I |
| DW114 | | | | T . | |
| | | + | (0.10) | | |
| RWH 1012 | | 6.11 2.46 | (0.20) | NIA | N/A |
| RW10+25 | | | | NIA | NIA |
| RW9+80 | 5.18 | | | H IA | NIA |
| | Control Structures | | 7 | • | |
| - | pe (circle one): | | | | |
| | - | | _ | | er surface:feet |
| | | | | | |
| | | | | | er surface:feet |
| Seepage: | | ; Condition: | · · | ; Alignment | |

| DATE: 7/19/04 INSPECTOR: SMV/DAM WEATHER: MO | stly cloudy | | | | | | |
|---|---------------------------------------|--|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: 0.62 WIND DIRECTION/SPEED: 0.5 mph w wind TEMPERATURE (degrees F): 0.62 ACTIVE CONSTRUCTION: N (Y/N) | | | | | | | |
| TEMPERATURE (degrees F): 4.62 ACTIVE CONSTRUCTION: N (Y/N) | | | | | | | |
| | | | | | | | |
| Ice thickness in Canal circa T9: inches Snow depth circa T9: inches Canal Stage measurement time: Canal Reference Point_above and Elevation it NGVD | | | | | | | |
| Canal Water Elevation 0.07 ft; 94.57 ft NGVD Weir Crts 94.5 | | | | | | | |
| Lake Stage time: Lake Water ft above/below weir crest (96.5 ft NG | VD); 95.72 ft NGVD | | | | | | |
| 1) Air quality (Active Construction): | | | | | | | |
| Time 9: 45; Location: 79 Access; PID reading: 0.0 - 0.1 ppmV; Background: 0.0 | - 6.1 ppmV | | | | | | |
| Time 9:08 ;Location: Top of ; PID reading: 0.0-8.1 ppmV; Background: 0.0 | - 0.1 ppmV | | | | | | |
| 2) Environmental Controls: White Frac | | | | | | | |
| Sorbent Boom at Transect T-7: Time: <u>0930</u> ; In-place ; Perform | ing properly / | | | | | | |
| Boom/Curtain at Transect T-9+30: Time: <u>0136</u> ; In-place <u>r</u> ; Perform | ing properly 🔽 | | | | | | |
| Boom at Transect T-12+00: Time: 0130 ; In-place ; Perform | ing properly | | | | | | |
| Boom at pump intake(Active Construction): Time: v/A; In-place; Perform | ning properly | | | | | | |
| Curtain at Canal Outlet(Active Construction): Time: 0436; In-place ; Performing properly | | | | | | | |
| Boom at Canal Outlet(Active Construction): Time: ; In-place ; Perform | ing properly | | | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: WA | | | | | | | |
| Time:; sheens; turbidity: /NTU una | cidified /acidified | | | | | | |
| Time:; sheens; turbidity:/NTU una | cidified/acidifed | | | | | | |
| 4) Pumping Systems: NA | | | | | | | |
| Pump on time: Pump off time: Pumping duration since last insp | pection: | | | | | | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: | ft | | | | | | |
| Discharge secure;Discharge hose; leakage; signs of wear; | couplings; | | | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (| transect and offset from | | | | | | |
| west bank), approximate elevation, description (rate, volume, area), and action taken | | | | | | | |
| releases and sheeps within containment area only; also noted on "Cono | Cop Daily | | | | | | |
| Inspector checking | · · · · · · · · · · · · · · · · · · · | | | | | | |
| | | | | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | | | | |
| Well Water level (fbtoc) Initial DNAPL level (fbtoc) DNAPL removed (gal.) Final | al DNAPL level (fbtoc) | | | | | | |
| #19+80 5.17 N/A | | | | | | | |
| #2 11 5.31 NIA - | | | | | | | |
| #3 10+25 5.64 6.98 (*21) N/A | NIA . | | | | | | |
| 7) Water Control Structures at Outlet: N/A | | | | | | | |
| Structure type (circle one): flash boards water filled cofferdam s | and berm | | | | | | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | | | | | | | |
| Seepage: ; Condition: ; Alignment | | | | | | | |
| Canal side; Retained water depth:feet Height of structure above water surface: | | | | | | | |
| Seepage:; Condition: ; Alignment | | | | | | | |
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| 14 5.34 7.09 (1.70) NIA | plA. | | | | | | |

| DATE: 1/60/UT INSPECTOR: J. Gel | WEATHER: PAN A.M. / P. SUNNY ATTEMPT WIND DIRECTION/SPEED: 5 <5 MPH |
|--|---|
| PRECIPITATION IN PREVIOUS 24 HOURS: | : 45" WIND DIRECTION/SPEED: 5 <5MPH |
| TEMPERATURE (degrees F): 70° ACT | |
| | inches Snow depth circa T9:inches |
| | 1 Reference Point and Elevation 96,5 ft NGVD |
| Canal Water Elevation 0.17 ft; ~96.7 | |
| | 1.00 ft above (below) weir crest (96.5 ft NGVD); ~95.7 ft NGVD |
| 1) Air quality (Active Construction): | |
| Time ; ;Location: ; PID : | reading: ppmV; Background: ppmV |
| Time : ;Location:; PID t | reading:ppmV; Background:ppmV |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: | Time: (0:00; In-place 1/25; Performing properly 1/25 |
| Boom/Curtain at Transect T-9+30: | Time: 10:00; In-place 105; Performing properly 105 |
| Boom at Transect T-12+00: | Time: 10: 00; In-place 10; Performing properly 105 |
| Boom at pump intake(Active Construction): | Time: ; In-place ; Performing properly |
| Curtain at Canal Outlet(Active Construction): | Time: 10:15; In-place <u>165;</u> Performing properly 165 |
| Boom at Canal Outlet(Active Construction): | Time:; In-place; Performing properly |
| 3) Assessment of Water Quality at Pump Dis | scharge (Active Construction):: |
| Time:; sheens; turbid | dity:/ NTU unacidified /acidified |
| Time:; sheens;turbid | dity:/_NTU unacidified/acidifed |
| 4) Pumping Systems: | |
| Pump on time: Pump off time: | Pumping duration since last inspection: |
| By-Pass pump; Time: Suction secure | re; Water Depth at Suction:ft |
| , | |
| Discharge secure;Discharge hose | se; leakage; signs of wear; couplings; |
| 5) Seeps, Sheens, or NAPL in canal and wetle | lands. Record time, observation location (transect and offset from |
| 5) Seeps, Sheens, or NAPL in canal and wetle | lands. Record time, observation location (transect and offset from |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description come られたい しんしん マード マー・アード ストゥー・アード マー・アード シャン・アード | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description _ くつがに らいていい | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description come られたい しんしん マード マー・アード ストゥー・アード マー・アード シャン・アード | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT SOME MAPL FROM PROBING LIQUID ~ 10" DNAPL NOWE |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description of the second of the s | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). MENT NET SOME NAPL FROM PROBING LIQUID ~ 10" DNAPL HONE struction): |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description of the second of the s | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). MENT MENT SOME PROBLES NG |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 10 LONG MIN CT T-IH 5.0 32" TO THE 6) NAPL Pressure Relief Wells (Active Consequence of the Shape of the Sha | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT COME PROBLES LIQUID ~ 10" DNAPL HOWE struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 10 LONG MIN CT T-IH 5.0 32" TO THE 6) NAPL Pressure Relief Wells (Active Consequence of the Shape of the Sha | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT COME PROBLES LIQUID ~ 10" DNAPL HOWE struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 10 LONG MIN CT T-IH 5.0 32" TO THE 6) NAPL Pressure Relief Wells (Active Consequence of the Shape of the Sha | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT SOME PROBLES LIQUID ~ 10" DNAPL HONE struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 101 CONTAIN AND WICCOMIN CITOTAL 6) NAPL Pressure Relief Wells (Active Consequence of the Shape of Shape o | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT, SOME PRED FROM PROBING LIQUID ~ 10" DNAPL NOWE struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) ONE ONE |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, description of the second of the s | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INCERT, SOME PRED FROM PROBING LIQUID ~ 10" DNAPL NOWE struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) ONE ONE |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 101 CONTAIN AND WILLIAM IN CITOTAL 6) NAPL Pressure Relief Wells (Active Consequence Well Water level (fbtoc) Initial DNAPL letter 19 + 80 + 98 | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). IMENT INLEAT SOME NAPL FROM PROBLES struction): evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) ONE water filled cofferdam sand berm |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 10 CONTROL AND WICCOMING T-14 5.0 32" TO TAL 6) NAPL Pressure Relief Wells (Active Consequence Well Water level (fbtoc) Initial DNAPL letter 19 + 30 4.98 | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). MENT NICEAT SOME PROM PROBING LIQUID ~ 10" DNAPL NONE Struction): Evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) ONE water filled cofferdam sand berm Height of structure above water surface: feet theight of structure above water surface: feet |
| 5) Seeps, Sheens, or NAPL in canal and wetle west bank), approximate elevation, descripting the SHTEUS 10 CONTROL AND WICCOMING T-14 5.0 32" TO TAL 6) NAPL Pressure Relief Wells (Active Consequence Well Water level (fbtoc) Initial DNAPL letter 19 + 30 4.98 | lands. Record time, observation location (transect and offset from ion (rate, volume, area), and action taken (if any). MENT NET SOME PROM PROBING LIQUID ~ 10" DNAPL NONE Struction: Evel (fbtoc) DNAPL removed (gal.) Final DNAPL level (fbtoc) Water filled cofferdam sand berm Height of structure above water surface: feet ; Alignment |

| DATE: 7/29/04 INSPECTOR: JAN / DMM WEATHER: OVER COST | |
|--|----|
| PRECIPITATION IN PREVIOUS 24 HOURS: WIND DIRECTION/SPEED: O-5 mph WO/O'll | |
| TEMPERATURE (degrees F): 70° ACTIVE CONSTRUCTION: N (Y/N) | |
| Canal Stage measurement time: <u>09/3</u> Canal Reference Point <u>above</u> and Elevation <u>96.5</u> ft NGVD | |
| Canal Water Elevation 0.00 ft; 96.50 ft NGVD Wer Crist | |
| Lake Stage time: 0913 Lake Water 0.70 ft above/below weir crest (96.5 ft NGVD); 6.70 ft NGV | √D |
| 1) Air quality (Active Construction): NA | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | |
| Time : ;Location: ; PID reading: ppmV; Background: ppmV | |
| 2) Environmental Controls: | |
| Sorbent Boom at Transect T-7: Time: <u>0900</u> ; In-place ; Performing properly <u>U</u> | |
| Boom/Curtain at Transect T-9+30: Time: <u>OPOO</u> ; In-place <u>\(\sigma\)</u> ; Performing properly <u>\(\sigma\)</u> | _ |
| Boom at Transect T-12+00: Time: <u>0900</u> ; In-place <u>, Performing properly 2</u> | _ |
| Boom at pump intake(Active Construction): Time: \(\begin{align*} \begin{align*} \ | _ |
| Curtain at Canal Outlet(Active Construction): Time: 0919; In-place : Performing properly | _ |
| Boom at Canal Outlet(Active Construction): Time: ν/A ; In-place ; Performing properly | |
| 3) Assessment of Water Quality at Pump Discharge (Active Construction):: N/A | |
| Time:; sheens; turbidity: /NTU unacidified /acidified | |
| Time:; sheens;turbidity:/NTU unacidified/acidifed | |
| 4) Pumping Systems: DA | |
| Pump on time: Pump off time: Pumping duration since last inspection: | |
| By-Pass pump; Time: Suction secure; Water Depth at Suction: ft | |
| Discharge secure; Discharge hose; leakage; signs of wear; couplings; | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record time, observation location (transect and offset fi | |
| west bank), approximate elevation, description (rate, volume, area), and action taken (if any). | |
| | _ |
| Shens within containment area only | _ |
| 6) NAPL Pressure Relief Wells (Active Construction): | |
| Well Water level fbtoc) Initial DNAPL level and DNAPL removed Final DNAPL level and | |
| thickness (fbtoc) (gal.) thickness (fbtoc) | |
| RW14 5.40 69\$ (0.75') 40.01 LNA | |
| RW11 S.40 N/A CO.01 CNAR - | |
| RW10+25 5.73 6.84 (0.34) <001 char - | |
| RW9+80 S.22 NIA - | |
| 7) Water Control Structures at Outlet: NA | |
| Structure type (circle one): flash boards water filled cofferdam sand berm | |
| Lake side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | |
| Canal side; Retained water depth:feet Height of structure above water surface:feet | |
| Seepage:; Condition:; Alignment | • |
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| DATE: 8/4/64 INSPECTOR: JAV | weather: poly cloudy | | | | | | |
|--|--|--|--|--|--|--|--|
| PRECIPITATION IN PREVIOUS 24 HOURS: WE | ND DIRECTION/SPEED: S-10 mgh N wind | | | | | | |
| TEMPERATURE (degrees F): 78°ACTIVE CONSTI | RUCTION: N (Y/N) | | | | | | |
| Canal Stage measurement time: 955 Canal Reference Po | int obac and Elevation 96.5 ft NGVD | | | | | | |
| Canal Water Elevation 0.02 ft; 96.52 ft NGVD | weir crist | | | | | | |
| Lake Stage time: 855 Lake Water 0.62 ft above | e/below)veir crest (96.5 ft NGVD); 95.88 ft NGVD | | | | | | |
| 1) Air quality (Active Construction): | | | | | | | |
| Time 9: 10; Location: 79:30; PID reading: 0.0 | ppmV; Background:ppmV | | | | | | |
| Time/6:30 :Location: PID reading: 0.0 | 0.3 ppmV; Background: 0.0 ppmV | | | | | | |
| 2) Environmental Controls: ²⁰ 6 | • | | | | | | |
| Sorbent Boom at Transect T-7: Time: 163 | S; In-place ; Performing properly | | | | | | |
| Boom/Curtain at Transect T-9+30: Time: 1635; In-place ; Performing properly | | | | | | | |
| Boom at Transect T-12+00: Time: 163 | 5; In-place /; Performing properly | | | | | | |
| Boom at pump intake(Active Construction): Time: \\ \mu \rightarrow \rightarrow \) | Y; In-place; Performing properly | | | | | | |
| Curtain at Canal Outlet(Active Construction): Time: <u>b/r</u> | 1; In-place; Performing properly | | | | | | |
| Boom at Canal Outlet(Active Construction): Time: <u>One</u> |); In-place ; Performing properly | | | | | | |
| 3) Assessment of Water Quality at Pump Discharge (Acti | ve Construction):: N/A | | | | | | |
| Time:; sheens;turbidity: | /NTU unacidified /acidified | | | | | | |
| Time:; sheens; turbidity: | /NTU unacidified/acidifed | | | | | | |
| 4) Pumping Systems: NJA | | | | | | | |
| Pump on time: Pump off time: P | umping duration since last inspection: | | | | | | |
| By-Pass pump; Time: Suction secure; Wa | ater Depth at Suction:ft | | | | | | |
| Discharge secure;Discharge hose; leakage | ; signs of wear; couplings; | | | | | | |
| 5) Seeps, Sheens, or NAPL in canal and wetlands. Record | l time, observation location (transect and offset from | | | | | | |
| west bank), approximate elevation, description (rate, volu | | | | | | | |
| only within containment area | | | | | | | |
| | | | | | | | |
| 6) NAPL Pressure Relief Wells (Active Construction): | | | | | | | |
| Well Water level fbtoc) Initial DNAPL level and | DNAPL removed Final DNAPL level and | | | | | | |
| RW14 5.28 7.00 (0.68) | (gal.) thickness (fbtoc) | | | | | | |
| 7317711 | <u></u> | | | | | | |
| | | | | | | | |
| $\begin{array}{c ccccc} RW10+25 & S.62 & 7.79 & WHF & (0.28) \\ RW9+80 & S.1S & WA & & & & & & & & & & & & & & & & & $ | | | | | | | |
| 7) Water Control Structures at Outlet: NA | | | | | | | |
| Structure type (circle one): flash boards was | er filled cofferdam sand berm | | | | | | |
| Lake side; Retained water depth:feet Height of s | | | | | | | |
| Seepage: ; Condition: | | | | | | | |
| Canal side; Retained water depth:feet Height of s | | | | | | | |
| Seepage:; Condition: | • | | | | | | |
| V-11 0970 1)MAPI represes strategy 7 04West Penk Con Engraphyptal inspectio | | | | | | | |

| DATE: $\partial/S/\partial \Psi$ INS. | PECTOR: JMV | WEATHER: | porty dudy | | | | | | |
|---|--|---------------------------------------|---|--|--|--|--|--|--|
| PRECIPITATION IN PREV | IOUS 24 HOURS: N/A | WIND DIRECTION/SPEED: | 10-15 mph N WIND | | | | | | |
| TEMPERATURE (degrees F |): <u>78°</u> active con | ISTRUCTION: <u>ル</u> (Y/N |) ' | | | | | | |
| Canal Stage measurement tin | ne: <u>0724 </u> | e Point <i>ObovL</i> and Elevation | on <u>%.5</u> ft NGVD | | | | | | |
| Canal Water Elevation <u>0.03</u> | <u> ft; 96,53</u> ft NGV | D weir east | | | | | | | |
| Lake Stage time: | Lake Water <u>O. TD</u> ft a | bove/below/weir crest (96.5 ft | NGVD); <u>95.80</u> ft NGVD | | | | | | |
| 1) Air quality (Active Cons | truction): | | | | | | | | |
| Time 9: 17 ;Location: 7 | Acress; PID reading: | 2.0 ppmV; Background: | 0.6 ppmV | | | | | | |
| | | 2.0 ppmV; Background: | | | | | | | |
| 2) Environmental Controls | • | | - | | | | | | |
| Sorbent Boom at Transect T- | 7: Time: | <u>′635</u> ; In-place <u>⊬</u> ; Per | forming properly | | | | | | |
| Boom/Curtain at Transect T- | Boom/Curtain at Transect T-9+30: Time: 1635; In-place; Performing properly | | | | | | | | |
| Boom at Transect T-12+00: | | 635; In-place ; Per | - · · · · · · · · · · · · · · · · · · · | | | | | | |
| Boom at pump intake(Active Construction): Time: N/h; In-place ; Performing properly | | | | | | | | | |
| Curtain at Canal Outlet(Active Construction): Time: N/A; In-place; Performing properly | | | | | | | | | |
| Boom at Canal Outlet(Active Construction): Time: <u>0726</u> ; In-place \checkmark ; Performing properly \checkmark | | | | | | | | | |
| 3) Assessment of Water Qu | ality at Pump Discharge (A | Active Construction):: N/A | | | | | | | |
| Time:; sheens; | turbidity: | NTU | unacidified /acidified | | | | | | |
| Time:; sheens; | turbidity: | NTU | unacidified/acidifed | | | | | | |
| 4) Pumping Systems: N/A | | | | | | | | | |
| Pump on time: Pu | mp off time: | _ Pumping duration since last | t inspection: | | | | | | |
| By-Pass pump; Time: | Suction secure; | _ Water Depth at Suction: | ft | | | | | | |
| Discharge secure; | Discharge hose; leakage | ; signs of wear; | couplings; | | | | | | |
| 5) Seeps, Sheens, or NAPL | in canal and wetlands. Re | cord time, observation locat | ion (transect and offset from | | | | | | |
| west bank), approximate el | evation, description (rate, | volume, area), and action ta | ken (if any). | | | | | | |
| within containment on | a only | | | | | | | | |
| | <u> </u> | | | | | | | | |
| 6) NAPL Pressure Relief V | Vells (Active Construction) |): | | | | | | | |
| Well Water level fbto | c) Initial DNAPL level an | d DNAPL removed | Final DNAPL level and | | | | | | |
| DYUIA | thickness (fbtoc) | (gal.) | thickness (fbtoc) | | | | | | |
| RW14 5.40 | 6.05 (0.7 | b) — | ****** | | | | | | |
| RW11 5.37 | | | | | | | | | |
| RW10+25 5.70 | 7.00 (0.30 |) – | | | | | | | |
| RW9+80 5.20 | | | | | | | | | |
| 7) Water Control Structur | ′ • | | | | | | | | |
| · - · · / | | water filled cofferdam | | | | | | | |
| | nth: feet Height | of structure above water surfa | ce:feet | | | | | | |
| Seepage:; Condition:; Alignment | | | | | | | | | |
| Canal side; Retained water depth: feet Height of structure above water surface: feet | | | | | | | | | |
| Canal side; Retained water d | ; Condition:epth:feet Height | of structure above water surfa | ce:feet | | | | | | |
| Canal side; Retained water d | ; Condition:epth:feet Height | of structure above water surfa | ce:feet | | | | | | |

| DATE: $8/6/04$ INS | PECTOR: <u>JMV</u> | | WEATHER | : cloudy |
|--------------------------------|--------------------------------|-----------------------|------------------------------------|--|
| PRECIPITATION IN PREV | IOUS 24 HOURS: | <u></u> | IND DIRECTION/SPEED | o: <u>colm'</u> |
| TEMPERATURE (degrees F |): 68° ACTIV | E CONST | TRUCTION: N (Y/ | N) |
| Ice thickness in Canal circa T | [9:i | nches Si | now depth circa T9: | inches |
| Canal Stage measurement tin | ne: 0726 Canal R | eference l | Pointabore and Elevat | ion 96.5 ft NGVD |
| Canal Water Elevation _0.0: | 2 ft; 96.52 | ft NGVD | weign crest | |
| Lake Stage time:0720 | Lake Water | 68 ft abo | ve/below weir crest (96.5 f | ît NGVD); <u>1582</u> fit NGVD |
| 1) Air quality (Active Cons | truction): | | | |
| Time 7:35 ;Location: 7 | 79 Access ; PID rea | ding: <u>0. C</u> | ppmV; Background | : 0.6 ppmV |
| Time 8: 00 ;Location: 1 | | ding: _ <i>6</i> . | ppmV; Background | : 0, |
| 2) Environmental Controls | .E. bone | | | |
| Sorbent Boom at Transect T- | 7 : | Гіте:_ <i>О</i> Е | <u>//6</u> ; In-place; Pe | rforming properly |
| Boom/Curtain at Transect T- | 9+30: | Րime:_ <i>08</i> | /6 ; In-place <u>▶</u> ; Pe | rforming properly |
| Boom at Transect T-12+00: | 7 | Γime: <u>0</u> | ; In-place; Pe | rforming properly |
| Boom at pump intake(Active | Construction): | Гіте: N | In-place ; Pe | rforming properly |
| Curtain at Canal Outlet(Activ | e Construction)ہوں | rime: <u>₩</u> | ; In-place ; Pe | rforming properly |
| Boom at Canal Outlet(Active | Construction): | Րime: ./ / | /; In-place; Pe | rforming properly |
| 3) Assessment of Water Qu | ality at Pump Disch | arge (Ac | tive Construction):: N/A | |
| Time:; sheens; | turbidity | r: | NT | U unacidified /acidified |
| Time:; sheens; | turbidity | r: | : / NT | U unacidified/acidifed |
| 4) Pumping Systems: NA | | | | |
| Pump on time: Pu | ımp off time: | | Pumping duration since las | st inspection: |
| By-Pass pump; Time: | Suction secure;_ | V | Vater Depth at Suction: | ft |
| Discharge secure; | Discharge hose; l | eakage | ; signs of wear; | couplings; |
| 5) Seeps, Sheens, or NAPL | in canal and wetlan | ds. Reco | rd time, observation loca | tion (transect and offset from |
| west bank), approximate el | evation, description | (rate, vo | lume, area), and action to | aken (if any). |
| Lettlet a south a second | | | | <u> </u> |
| within containment orco | i only | | | |
| EW9+80 5.20 | | | | |
| 6) NAPL Pressure Relief V | Vells (Active Constru | uction): | | ,- |
| Well Water level (fbtoc) | Initial DNAPL level | (fbtoc) | DNAPL removed (gal.) | Final DNAPL level (fbtoc) |
| #1 KW 14 5.40 | 6.90 (0.7 | s') | | |
| #2 KW 11 5.45 | N/A <.0 | I'LNAPL | | _ |
| #3 EW 10+25 5.75 | 6.80 (0.3 | 35') c | OILNAR - | |
| 7) Water Control Structur | | | | |
| Structure type (circle one): | flash boards | w | ater filled cofferdam | sand berm |
| Lake side; Retained water de | pth:feet | Height of | structure above water surf | ace:feet |
| Seepage: | ; Condition: | | ; Alignment | |
| Canal side; Retained water de | | | | |
| Seepage: | ; Condition: | | ; Alignment | |
| | ntegy\1210West Bank Cap Enviro | | | |

| DATE:_ | 6-15-04 | | INSPEC | tor: <u>D. MAYNA</u> K | D_{-} | | |
|------------|----------------------|-----------|-------------------|--|------------------|-------------|------------|
| FIELD I | воок <i>РВСБ К</i> | | | AGE #s_//-/8 | | | |
| 1) Sub-g | grade | | | 1 | | | |
| Verify s | take-out prior to st | art cap | ping; <u>CRII</u> | 3BING Flagged Ver tape of edge | | de des | 1 100 |
| 2) G 4 | | | Ban | ver tape of eege | or cons | Trucion | יני בני |
| 2) Sand | cap material place | ment | 11 @ -4 | -11 5001 <i>CMI</i> | NO CINE | 121-01 TW | 211121 |
| Sieve an | iaiyses (ASTMID4 | (22), sa | mpied @ sto | ckpile every 500 yds.; 5M | VS DIVIOR | 1100111 | NID I |
| TT 1 ! | | | 1.1 | nspected pit June nspected on Delive Ton FINES | 99, 24, 32,44 | . D . A | PULL |
| v isuai ii | nspection of mater | iai upo | n denvery; | NO DECTED ON WELLOC | NO CORE | PEINT | <u>'</u> _ |
| In along | thiolmoon w// | 4 | 0.60 | + INA FIVE DE | 11001 2111 | | 1 |
| ш-ріасе | thickness: N/A | NO | proceme | (fluvost from oribbing) | thiolmood | A | |
| | Transect | | Offset | (ft west from cribbing) | | ft | |
| | Transect | | _ | (ft west from cribbing) | | ft | |
| | Transect | | | (ft west from cribbing) | | ft | |
| | Transect | + | _ Offset | (ft west from cribbing) | thickness | ft | |
| Verify s | and cap grade elev | ation: | NIA | | | | |
| | | | | | - 1. | | |
| 3) Topso | oil Placement: PLA | iced i | befow Aca | 999 ROAD BETWEEN AND | as ond a | HST BONK C | 40 |
| Inspect of | delivered topsoil; | 2- | ZCY LOAD | s Delivered. Screen | ned avaa | alc compost | Drose |
| • | | | | | INTERVAL | E COMPOST | in a const |
| In-place | thickness, nomina | al six in | ches: 4//4 | | | , | |
| • | Transect | | | (ft west from cribbing) | thickness | ft | |
| | Transect | | | (ft west from cribbing) | | ft | |
| | | | Offset - | | | ft | |
| | Transect | | | (ft west from cribbing) | | ft | |
| | | | | | | | |
| Verify f | inal elevation; | N/A | <u> </u> | - <u></u> | | | |

 $K: \\ \label{lem:condition} K: \\ \label{lem:condition} Workplan \\ \label{lem:condition} WestBank Capins pectcheck \\ \mbox{iist.doc}$

| DATE:_ | 6/16/04 | | INSPECT | OR: | JAV | | |
|------------|-------------------------|------------|-------------------|----------|--------------------------|----------------|------------|
| FIELD B | оок <u>#11</u> | | PA | GE #s_ | <i>32</i> ·3S | | |
| 1) Sub-gr | ade | | | | | | |
| Verify sta | ake-out prior to st | art capp | ing; <u>ok-no</u> | Cappin | ng today | | |
| 2) Sand c | ap material place | ment | | | | | |
| Sieve ana | lyses (ASTM D4 | 22), san | apled @ stock | kpile ev | ery 500 yds.; ok- | one bucket | collected |
| w 7' | | | | | 3/8-3/4" Store (| ysik on 6/15/1 | 4 |
| Visual in | spection of mater | ial upon | delivery; | Specica | 3/8-44 Store | KINNED OC | |
| In-place t | hickness: NA-n | placem | unt | | | | |
| - F | | | | (ft w | est from cribbing) | thickness | ft |
| | Transect | + | Offset ~ | (ft w | est from cribbing) | thickness | ft |
| | Transect | + | Offset - | ft w | est from cribbing) | thickness | ft |
| | | | | | est from cribbing) | | ft |
| Verify sa | nd cap grade elev | ation; 🙏 | ıļΑ | | | | |
| 3) Tonsoi | il Placement: | | | | | | |
| | elivered topsoil;_ | NIA | | | | | |
| • | 1 /_ | 17/ | | | | | |
| In-place t | hickness, nomina | ıl six inc | hes: NA | | | | |
| | Transect | + | Offset | (ft w | est from cribbing) | thickness | ft |
| | Transect | + | Offset - | (ft w | est from cribbing) | thickness | ft |
| | Transect | + | Offset | (ft w | est from cribbing) | thickness_ | ft |
| | Transect | _+ | Offset - | (ft w | est from cribbing) | thickness_ | ft |
| Verify fir | nal elevation; U | L | | | | | , <u> </u> |

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| DATE: 6/17/04 | INSPECTOR: JAV/JB J-B |
|---|--|
| FIELD BOOK RAFB 410 | PAGE #s 27-76 |
| Sub-grade Verify stake-out prior to start cappi | ng; ok |
| 2) Sand cap material placement Sieve analyses (ASTM D422), sam | pled @ stockpile every 500 yds.; Ok-Orlleged 6/15/14 |
| Visual inspection of material upon | delivery; ok-no mother district today |
| In-place thickness: | . 235 |
| Transect (2 +5) | Offset - (ft west from cribbing) thickness ft |
| | Offset - 5 (ft west from cribbing) thickness 1.5 ft |
| Transect + | Offset - (ft west from cribbing) thickness ft |
| Transect+ | Offset - (ft west from cribbing) thickness ft |
| Verify sand cap grade elevation; | ~ 48 Q T-14; T-13; T-13,50 |
| 2) Tanasii Diagamenti | |
| Topsoil Placement: Inspect delivered topsoil; | |
| In-place thickness, nominal six incl | hes: |
| Transect + | Offset - (ft west from cribbing) thickness ft |
| Transect + | Offset - (ft west from cribbing) thickness ft |
| Transect + | Offset - (ft west from cribbing) thickness ft |
| Transect+ | Offset - (ft west from cribbing) thickness ft |
| Verify final elevation; | * |

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| DATE: 6-18-04 INSPECTOR: D. Magnard |
|--|
| FIELD BOOK <i>PSCS RA FB 10</i> PAGE #s 26-37 |
| 1) Sub-grade Verify stake-out prior to start capping; <u>Laid out CVIb adje from 6f5 Reha</u> n TBMS Set Grade Stakes @ 98.0 Ft NOVD FOR TOPSA |
| 2) Sand cap material placement Sieve analyses (ASTM D422), sampled @ stockpile every 500 yds.; ///A |
| Visual inspection of material upon delivery; N/A |
| In-place thickness: NO MAPL BOLOW Cap observed in Plata auger Cores Transect 4 + 20 Offset - 5 (ft west from cribbing) thickness .0 ft Transect 3 + 50 Offset - 5 (ft west from cribbing) thickness .0 ft Transect 3 + 60 Offset - 5 (ft west from cribbing) thickness .0 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (ft west from cribbing) thickness .3 ft Transect 2 + 50 Offset - 5 (f |
| 3) Topsoil Placement: Inspect delivered topsoil; W/A |
| In-place thickness, nominal six inches: |
| Verify final elevation; WA |
| K:(1-0870-1\Remedial Action Workplan\WestBankCapinspectchecklist.doc INSPECTED 10:45 DELIVERY OF 9-36 FONS 3/4"CVUShed + Washed stone from F.W. WATTCOME + OF WELLS-OK |

PINE STREET CANAL SITE -WEST BANK CAP CONSTRUCTION

3) Topsoil Placement:
Inspect delivered topsoil;

Transect + Offset - (ft west from cribbing) thickness

Verify sand cap grade elevation; OK, Set grade Stakes @ 930 FT

ft

In-place thickness, nominal six inches:

Transect + Offset - (ft west from cribbing) thickness ft
Transect + Offset - (ft west from cribbing) thickness ft
Transect + Offset - (ft west from cribbing) thickness ft
Transect + Offset - (ft west from cribbing) thickness ft

Verify final elevation; MA

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Placed send Cap From 7/2+00 TOCT/0+95

| INDI ECTION CHECKED! |
|---|
| DATE: 9-20-04 INSPECTOR: D. Maynord |
| FIELD BOOK PSCBRA FBIC PAGE #s 43, 44, 45, 46 NOTE - SAME PAGE BOUNDED DUE TO |
| 1) Sub-grade + Withorky desect |
| Verify stake-out prior to start capping; |
| • |
| 2) Sand cap material placement Placed Sond CIVIA TIO+85 TO TIO+\$0 - INIVIA) LICE Sieve analyses (ASTM D422), sampled @ stockpile every 500 yds.; |
| Visual inspection of material upon delivery; Mo letwer/1e5 |
| In-place thickness: -NOT completed yet |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Transect + Offset(ft west from cribbing) thickness ft |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Transect + Offset(ft west from cribbing) thicknessft |
| Verify sand cap grade elevation; ///f/a/ L/ft onLg |
| 3) Topsoil Placement: Phaced topsoil on Cap slope east of Mbbing TIHZO TO |
| Inspect delivered topsoil; No delivery's 773+90 |
| |
| In-place thickness, nominal six inches: 60099 Phacement only |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Transect + Offset(ft west from cribbing) thicknessft |
| Transectft |
| Verify final elevation; Not graded |
| K:\1-0870-1\Remedial Action Workplan\WestBankCapinspectchecklist.doc |
| WORK Shut Down @ 12:20 |
| Due to NAPL Mease to canal |
| from T10+55 west bonk during capping of cribbing |
| capping of oniboling |

| DATE: 6/26/0- | 4 | INSPECT | OR: DON | Naynord | / |
|--|--|--|--|---|--|
| date: <u>6/2\$/0-</u> field book <i>P5C5</i> | RAFE | 3/0 PA | AGE #s <u> </u> | 52 | |
| 1) Sub-grade Verify stake-out prior | | | | | 10 79+30 |
| 2) Sand cap material p Sieve analyses (ASTM | lacement | • | | | |
| Visual inspection of m | aterial upon | delivery; | MA | | |
| Transec Transec | et <u>10 + 5 5</u> et <u>10 + 60</u> et+ | Offset - <u>/</u> Offset - <u>/</u> Offset - | (ft west from cr (ft west from cr (ft west from cr (ft west from cr | ibbing) thickness ibbing) thickness ibbing) thickness | 1.5 A NO Sheeks 1.5 A O .2 sheeks A of botto |
| Verify sand cap grade | elevation; | N/A | | | |
| 3) Topsoil Placement: Inspect delivered topso | oil; | V/A | | | |
| In-place thickness, nor | ninal six inc | hes: | | | |
| Transec | :t+ | Offset | (ft west from cr | ibbing) thickness | ft |
| | | | (ft west from cr | | |
| | | | (ft west from cr | | |
| Transec | xt+ | Offset | (ft west from cr | ibbing) thickness | <u>f</u> ft |
| Verify final elevation; | N/s | 4 | | | ···· |

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| DATE: 6-22-04 | INSPECTOR: DNAYNARD/J. Belinging |
|--|--|
| FIELD BOOK PSC BRAID | PAGE #s 57-57 |
| 1) Sub-grade | 10-14 |
| Verify stake-out prior to start cappin | g cherked plac cribbing- |
| | CNIN must usest elas of TICH 25 BENKILAGO |
| 2) Sand cap material placement | raw out week trye to the second |
| Sieve analyses (ASTM D422), samp | led @ stockpile every 500 yds.; NOT TAKEN CHIT |
| Visual inspection of material upon d | elivery, Mapartal - Fine ron Sand, |
| The state of the s | 114/26/17 |
| In-place thickness: NOT MEAS | und/NOT FINHL Grade |
| | Offset(ft west from cribbing) thicknessft |
| Transect+ | Offsetft west from cribbing) thicknessft |
| | Offset(ft west from cribbing) thicknessft |
| Transect+ | Offsetft west from cribbing) thicknessft |
| Verify sand cap grade elevation; | ret FILL points on cribbing |
| 3) Topsoil Placement: Inspect delivered topsoil; | |
| In-place thickness, nominal six inche | ac: 1//1 |
| | Offset - (ft west from cribbing) thickness ft |
| | Offset - (ft west from cribbing) thickness ft |
| | Offset - (ft west from cribbing) thickness ft |
| Transect + | Offset(ft west from cribbing) thicknessft |
| Verify final elevation; | |
| , | |
| | |
| K:\1-0870-1\Remedial Action Workplan\WestBankCapinspectchecklist.de | |
| | 10+25 90 TIO+85, 0-5FT FAST |
| Placed Sand TIO | 1+50 TO TIOTZ5 |
| O to Points a | post, including Low , |
| Beaver ru | nest, including Low ns and up to beaver ladge |

| | DATE: | 1-23-04 | NSPE | CTOR: D. | MAYN | HKV_ | _ | |
|-------------|----------------------|-----------------------------------|------------------------|---------------------------|-------------------------------|-------------------|-----------------|------------|
| | FIELD BO | ок <i>Р.Ц.Б.</i> | RAFBIO | PAGE #s_ <i>_5</i> | 7-65 | | | |
| | 1) Sub-grad | ie Adiustea | l subgrule | based of | n probin | 19- MO | oved | |
| 1981 | Verify stake | e-out prior to sta DeLIVERED V | art capping; Pha | 10720 | MID DIN | 5 Appl | MT/2+ | 90 ve |
| 1000 | 2) Sand cap | material placer | nent 1/11/27 | o 5 Feet | 700 For | WEST | that you | <i>,</i> – |
| 120 / | Sieve analy | ses (ASTM D42 | 12), sampled @ st | ockpile every | 500 yds.;_ <i>77</i> | Be COL | COVED_ | |
| John C | | ection of materi | al upon delivery; | OK, TO | n.FINES | and L | HIEGIL | 7 |
| ŧ | | | 14 80, 5 West | 1,5,300 | 9: 18 1146 | | | |
| by O 104 | In-place thi | ckness: | 1+20,5 West | of Grand | from cribbing) | thickness / | 2 0 1/2 | (140) |
| PYA | vger | | 7 + 3 Offset - | f (ft west f | from cribbing) | thickness / | 1.2 ft 1/0. | MOL |
| | I | Transect // |) + 60 Offset - | ft west i | from cribbing) | thickness / | 9 113he | en misso |
| | | • | 7 + 90 Offset - | | | • | | 1,377 |
| | Verify sand | l cap grade eleva | ation; <u>NOT 7</u> | o Grad | e-init | tal Lit | T Non | UNDL |
| | 3) Topsoil l | Placement: | | | | | | |
| | Inspect deli | ivered topsoil;_ | NA | | | | | |
| | In-place thi | ickness, nominal | I six inches: M | A | | | | |
| | 1 | Transect | + Offset - | (ft west t | from cribbing) | | ft | |
| | | Transect | | | from cribbing) | | ft | |
| | | Transect Transect | + Offset + Offset - | | from cribbing) from cribbing) | | ft ft | |
| | | | 31. | (10 11 000 1 | | | | |
| | Verify final | l elevation; | V/A | | . | | | |
| | | , | , | i_{iv} | | | | |
| | K:\1-0870-1\Remedial | Action Workplan\WestBankCa | pinspectchecklist.doc | _ | | | | |
| | 10 | mpleted | 1 16+ 1 | 1A+- | ENTIPE | COD |) | |
| | | & come | 10401 1 | 11 1100 | 1/6 | | | • |
| | , | Cong. | E WELL | 1 ocah | FIRMA 4 | elo mi | tions he | e LOW |
| | | Ne | | | 191121 | | # C F / / / ' ' | • |
| | WELL | INAME | TRANSI | | FFSETT | IEZ I | TACELO | W . |
| | | , — | | L 17 | IST BIDE WI CRIB | ر روستا کست سا | FTNOV | |
| | | .4 . 4 6 | | ,,, | 6.0'WE | | 101.86 | |
| | | 19+80 | 79+87 | | 9,5 W | ラ/ 14.サ | 102.36 | |
| | | U10+25 | 7/0+23 | | 10,5 WE | 267 | 102.00 | _ |
| | JR | w// | T10+90 | | 10,5 We | est. | | |
| | J-RI | WIA | 714+04 | | 4,5 100 | D) | 101.95 | 7 |

| DATE: <u>6-24-04</u> | <u> </u> | INSPEC | TOR: I Behrsing / | OMayna | A |
|--|---------------------------|------------------------|--|----------------------|------------|
| FIELD BOOK <u>P6C5 R</u> | AFB/ | <i>O</i> P | AGE #s 66 | | _ |
| 1) Sub-grade | AFD. | 11 | | | |
| Verify stake-out prior to st | art cappi | ing; <u>BK</u> | | | |
| Sand cap material place Sieve analyses (ASTM D4 | ment 1 22), sam | noved 5 upled @ sto | and To Cribedge ckpile every 500 yds.; <u>5a</u> | TIZ-TG mple colle | 190 Hed |
| Visual inspection of mater | | | • | <i>r</i> | |
| In-place thickness: | 4 | | | | |
| Transect | + | Offset - | (ft west from cribbing) | thickness | ft |
| Transect | + | Offset - | (ft west from cribbing) | thickness | ft |
| Transect | + | Offset - | (ft west from cribbing) | thickness | ft |
| Transect | | | (ft west from cribbing) | | ft |
| Verify sand cap grade elev | ration; | 1//4 | | | |
| 3) Topsoil Placement: | | | | | |
| Inspect delivered topsoil;_ | | V/A | | | |
| In-place thickness, nomina | ıl six inc | hes: N | 14 | | |
| Transect | | T 1 | (ft west from cribbing) | thickness | ft |
| Transect | | | (ft west from cribbing) | | — ft |
| Transect | | | ` | | —ft |
| Transect | | | | | ft |
| Verify final elevation; | | N/A | | | |

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| FIELD BOOK POUR | KAFD | | GE#s_68-72 | | - |
|---|--|--|---|--|---------------------|
| 1) Sub-grade Verify stake-out prior to s | start cappin | ng; 🗸 | | | |
| 2) Sand cap material place Sieve analyses (ASTM D Cubic Volas Visual inspection of mater | ement // 422), sam Fento crial upon c | nced Cap pled @ stock une pit delivery; _F | TI2 TO T9+50, 6 spile eyery 500 yds.; J Sond Leuvered The 6 mb, Lutt | 1-51EAST 1916CG WBC GAM 1C GICT ON | VD3/SIN 60146- K |
| In-place thickness: Not | | | | | |
| | | | (ft west from cribbing | | |
| Transect 7 | 0 +25 | Offset - 1 | (ft west from cribbing |) thickness >3 | fishansez. |
| Transect | 0 + 80 | Offset - | (ft west from cribbing | thickness >3 | ft NO sheen |
| | 1 + 70 | Offset - | (ft west from cribbing | thickness >3 | tt <i>NO 6 been</i> |
| · | • | | • | | |
| Verify sand cap grade ele 3) Topsoil Placement: Inspect delivered topsoil; | vation; 14 | | • | | |
| Verify sand cap grade ele 3) Topsoil Placement: | vation; M | A NOT | • | | |
| Verify sand cap grade ele 3) Topsoil Placement: Inspect delivered topsoil; In-place thickness, nomin | vation; My MA nal six inch | A NOT | FINAL Grade | , | ft |
| Verify sand cap grade ele 3) Topsoil Placement: Inspect delivered topsoil; In-place thickness, nomin Transect | wation; My MA nal six inch | (A NOT | (ft west from cribbing | thickness | |
| Verify sand cap grade ele 3) Topsoil Placement: Inspect delivered topsoil; In-place thickness, nomin Transect Transect | wation; MA MA nal six inch | nes: <i>N/A</i> Offset Offset | (ft west from cribbing | thickness | ft |

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| DATE: 6/29/04 INSPECTOR: Foel Behrsing |
|--|
| FIELD BOOK RA FB # 11 PAGE #s 48-52 |
| 1) Sub-grade Verify stake-out prior to start capping; Set 92' elevation on Grade States |
| 2) Sand cap material placement 9+50 to T-12 beyond cribbing intercape (Sieve analyses (ASTM D422), sampled @ stockpile every 500 yds.; |
| Visual inspection of material upon delivery; OK Several loads delivered |
| In-place thickness: Transect 10 + 00 Offset - 2 (ft west from cribbing) thickness + 3 ft Transect 10 + 50 Offset - 2 (ft west from cribbing) thickness + 3 ft Transect 11 + 00 Offset - 2 (ft west from cribbing) thickness + 3 ft Transect 9 + 50 Offset - 2 (ft west from cribbing) thickness + 3 ft |
| Transect P + 50 Offset - Z (ft west from cribbing) thickness + 3 ft Verify sand cap grade elevation; Set space states @ 98 settled ~ 0.5' east of cribbing 3) Topsoil Placement: Inspect delivered topsoil; All Carrier (~2 hrs.) (a feet) |
| 3) Tonsoil Placement: |
| Inspect delivered topsoil: |
| Inspect delivered topsoil; NA (a Ler) |
| In-place thickness, nominal six inches: |
| Transect + Offset - (ft west from cribbing) thickness ft |
| Transect + Offset - (ft west from cribbing) thickness ft |
| Transect + Offset - (ft west from cribbing) thickness ft |
| Transect + Offset (ft west from cribbing) thickness ft |
| Verify final elevation; |

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| DATE: 6/30/04 | INSPECTOR: J. Behrshy |
|---|--|
| FIELD BOOK RA FB #1) | |
| 1) Sub-grade Verify stake-out prior to start capping | ng; Neset stakes a cribbing accordinal to sand fault line. Reset 98 grade |
| 2) Sand cap material placement Sieve analyses (ASTM D422), sam | · |
| Visual inspection of material upon of | delivery; Nove Delivered |
| Transect $\sqrt{o} + 50$ Transect $\sqrt{q} + 60$ Transect $\sqrt{q} + 35$ Verify sand cap grade elevation; | Offset - 3 (ft west from cribbing) thickness 2.0 ft Offset - 3 (ft west from cribbing) thickness 1.3 ft Offset - 3 (ft west from cribbing) thickness 1.3 ft Offset - 3 (ft west from cribbing) thickness 1.7 ft 98 C grade sales along cribbing |
| Topsoil Placement: Inspect delivered topsoil; | None placed - some delivered - ok |
| Transect+ | Offset(ft west from cribbing) thicknessft Offset(ft west from cribbing) thicknessft |
| Transect+ | Offset(ft west from cribbing) thicknessft Offset(ft west from cribbing) thicknessft |
| Verify final elevation; | N/A |

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| DATE: 7-1-04 INSPECTOR: D. MAYNARD |
|--|
| FIELD BOOK PSCS RA FB10 PAGE #s 73-80 |
| 1) Sub-grade Verify stake-out prior to start capping; N/A - Sand Cap Complete |
| 2) Sand cap material placement Sieve analyses (ASTM D422), sampled @ stockpile every 500 yds.; |
| Visual inspection of material upon delivery; NONE DELIVERE |
| In-place thickness: See fg 76 fg 76 fg 77 fg 79 fg |
| Inspect delivered topsoil; AK, SCNEENED BIJUNIC LOUN |
| Transect 9 + 40 Offset - 5 (ft west from cribbing) thickness 0.5 ft Transect 9 + 50 Offset - 0 (ft west from cribbing) thickness 0.5 ft Transect 10 + 00 Offset - 4 (ft west from cribbing) thickness 0.5 ft Transect 10 + 20 Offset - 6 (ft west from cribbing) thickness 0.7 ft |
| Verify final elevation; Ventued, see pg 79 +80 From 19+50 To Til+00 |
| TWO TRUCKLOADS Clean wood shipped offsite To charles scribnes - The STUNDDUMP 210 Parsons Rd, Colchester, UT 05446 (802) 865-4721 |
| put poly out and staked Down along cap slape east at cribbing due to Thunderstorm/High winds |

| FIELD BOOK POUR RA | FB10 PAGE#s 86-92 | |
|--|--|----------------|
| .) Sub-grade | | |
| Verify stake-out prior to star | t capping; NA | _ |
| 2) Sand cap material placem | ent ALI PLACE | |
| Sieve analyses (ASTM D422 | 2), sampled @ stockpile every 500 yds.; | |
| Visual inspection of materia | l upon delivery; NA | |
| In-place thickness: | • | |
| Transect | + Offset(ft west from cribbing) thickness | _ft |
| Transect | + Offset - (ft west from cribbing) thickness | ft |
| | _+ Offset(ft west from cribbing) thickness | ft |
| Transect | + Offset - (ft west from cribbing) thickness | _ft |
| Verify sand cap grade elevat 3) Topsoil Placement: アム | ace topsoil Tilter TOT13+00, | |
| 3) Topsoil Placement: P上 Inspect delivered topsoil; | ace topsoil TV1+00 TOT13+00, NOT Grades | 1 |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s | ace topsoil Tiltoo TOT13+00, NO DELIVERIES . NOT Grades six inches: N/A | 1 |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect | ace tofsoil 711+00 TOT13+00, NO DELIVERIES . NOT Grades six inches: N/A +_ Offset (ft west from cribbing) thickness | _ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect | ace topsoil Tiltoo TOT13+00, NO DELIVERS . NOT Grades six inches: N/A + Offset - (ft west from cribbing) thickness + Offset - (ft west from cribbing) thickness | _ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect | ace tofsoil Tiltoo ToTi3too, no Deliveres . NOT Grades six inches: N/A +_ Offset (ft west from cribbing) thickness +_ Offset (ft west from cribbing) thickness +_ Offset (ft west from cribbing) thickness | _ft _ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Transect | six inches: + Offset - (ft west from cribbing) thickness | ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Transect | ace tofsoil Tiltoo ToTi3too, no Deliveres . NOT Grades six inches: N/A +_ Offset (ft west from cribbing) thickness +_ Offset (ft west from cribbing) thickness +_ Offset (ft west from cribbing) thickness | ft _ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Transect | six inches: + Offset - (ft west from cribbing) thickness | _ft _ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Verify final elevation; K:11-0870-1\Remedial Action Workplan\WestBankCapin | ace tofsoil 71/400 70713400, m Deliveres | ft ft ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Verify final elevation; K:11-0870-1\Remedial Action Workplan\WestBankCapin | ace tofsoil 71/400 70713400, m Deliveres | ft ft ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Verify final elevation; K:11-0870-1\Remedial Action Workplan\WestBankCapin | ace tofsoil 71/400 70713400, m Deliveres | ft ft ft |
| 3) Topsoil Placement: PL Inspect delivered topsoil; In-place thickness, nominal s Transect Transect Transect Transect Transect Verify final elevation; K:11-0870-1\Remedial Action Workplan\WestBankCapin | ace tofsoil Tiltoo ToTi3too, NO DELIVERES . NOT Grades six inches: N/A + Offset - (ft west from cribbing) thickness + Offset - (ft west from cribbing) thickness NOT Graded | ft ft ft |

| DATE:_ | 7-7-04 | INSPECTOR:_ | D. MAYNIA | RD | _ | |
|-----------------------|--|--|---------------------------------|--------------------|---------------------------------------|-----------|
| FIELD E | BOOK PSCS RAF | <i>B10</i> PAGE# | 61-66 | | _ | |
| 1) Sub-g | | | | | | |
| 2) Sand | cap material placement / alyses (ASTM D422), sar | Laced addit | ional sand wheevery 500 yds.; N | est side caj VA | 73+ | 70 T 14+2 |
| Visual ir | nspection of material upor | delivery; V/A | | | · | • |
| | thickness: See pscs Transect + Transect + Transect + | Offset - (ft Offset - (ft Offset - (ft | | thickness | <i>B pg 6 </i> _ft _ft _ft | ,62,65° |
| Verify sa | and cap grade elevation;_ | verified pi | reviously | | · | |
| 3) Topso Inspect o | oil Placement: delivered topsoil; 2 / | oads (44 c | CY) DELLUEA | ed, since | ied orga | ank_ |
| In-place | thickness, nominal six in | ches: Sel | | ,,, | | |
| _ | Transect+ | | west from cribbing) | thickness | ft | |
| | Transect+ | Offset(ft | west from cribbing) | thickness | ft | |
| | Transect+ | ·, | west from cribbing) | | ft | |
| | Transect+ | Offset(ft | west from cribbing) | thickness | ft | |
| Verify fi | inal elevation; <u>5ee P5</u> | CSRAFBIO P | g 95, PSCS | RAFBII P | 965 | |
| K:\1-0870-1\Ren | medial Action Workplan/WestBankCapinspectcheck | ist.doc COX | ndeted some | d and to | PEOIL | |
| | | 64 | acement. | · - | | |
| | | 50 | eeded wee | ot bonk | Cap | |
| | | P | laced en | Blon m | ats | |
| | | C | on blope | and N | onthe | y |
| | | , | portion cap pumped | P. | 1 - 4 | |
| | | | From T9+8 | 0,201 #100 | TEN 51- ANU) | |
| | | | VICINITY. | | | ·/_ · /- |
| | | | 2,900 Gallon. | 15 M20 IN | CNIMOLY) | works to |
| | • | | 927 Galler | 10 EVALL | iri pyrinces | y i ou |

| DATE: 7/8/04 INSPECTOR: Joel Behra |
|---|
| FIELD BOOK PSCS RAFB#1 PAGE#s 67-81 |
| 1) Sub-grade |
| Verify stake-out prior to start capping; |
| 2) Sand cap material placement Sieve analyses (ASTM D422), sampled @ stockpile every 500 yds.; |
| Visual inspection of material upon delivery; |
| In-place thickness: |
| Transect + Offset - (ft west from cribbing) thickness ft |
| Transect + Offset (ft west from cribbing) thickness ft |
| Transect + Offset - (ft west from cribbing) thickness ft |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Verify sand cap grade elevation; |
| 3) Topsoil Placement: |
| Inspect delivered topsoil; \(\sigma \subseteq \sigma \sigma \) |
| |
| In-place thickness, nominal six inches: |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Transect + Offset (ft west from cribbing) thickness ft |
| Transect+ Offset (ft west from cribbing) thickness ft Transect + Offset - (ft west from cribbing) thickness ft |
| Transect+ Offset(ft west from cribbing) thicknessft |
| Verify final elevation; |
| |
| Collect as-built survey data |
| |
| Fleet placed topsoil from under voad over the 2 NAPL LOCATIONS WEST SF TEMP, ROAD. |
| over the 2 NAPL LOCATIONS WEST ST TEMPS (KOAD) |
| Fleet cut topsoil ~0.5' at two high locations Edentified by DMM on 7/7/04 |
| Edents fied by DMM on 117/04 |

Date: 6/17/96 04 Inspector: 34V

| Transect: | east-of-west | DNARLIES | Paris 1 | JBNAPL Internet (it) | |
|-----------|--------------|----------|---------|----------------------|-------------------|
| T9+50 | 10 | 0.00 | 1119 | 0.00 | |
| T9+80 | 20 | 0.80 | 1130 | 0.70 | - sheens released |
| T10+00 | 10 | 0.00 | 1117 | 0.00 | |
| T10+50 | 10 | 0.00 | 1115 | 0.00 | |
| T10+80 | 20 | 0.45 | 1127 | 0.40 | -sheens released |
| T11+20 | 40 | 0.05 | 1123 | 0.05 | |
| T12+00 | 10 | 0.00 | 1347 | 0.00 | |
| T12+50 | 10 | 0.00 | 1346 | 0.00 | |
| T13+00 | · 10 | 0.00 | 13 44 | 0.00 | |
| T13+50 | 10 | 0.00 | 1342 | 0.00 | |
| T14+20 | 10 | 0.00 | 1340 | 0.00 | |

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| Transect | Offset (distance east of west cribbing in ft): | June 15th DNAPL thickness (ft): | Time: | DNAPL thickness (ft): |
|----------|--|---------------------------------------|-------|--------------------------|
| T9+50 | 10 | 0.00 | 11:53 | 0 |
| T9+80 | . 20 | 0.80 | 11.52 | 0.55 |
| T10+00 | 10 | 0.00 | 13810 | B |
| T10+50 | 10 | 0.00 | 11:54 | 0 |
| T10+80 | 20 | 0.45 | 12:02 | 1.45 |
| T11+20 | 40 | 0.05 | 12300 | 0 |
| T12+00 | 10 | 0.00 | 10:39 | 0 |
| T12+50 | 10 | 0.00 | 10:37 | 0 |
| T13+00 | 10 | 0.00 | 10:23 | 0 |
| T13+50 | 10 | 0.00 | 10:22 | 0 |
| T14+20 | 10 | 0.00 | 12:05 | 0 |

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PSUS RA FB 10 pg 30

Inspector:

| | Offset (distance | June 15th | | |
|--------------|-------------------|-----------------|----------------|-----------------|
| more support | reast of west # | Sec DNAPL 38 | and the second | DNAPL |
| Transect | er(Bbing/fizi()); | directions stop | Time | thickness (f.): |
| T9+50 | 10 | 0.00 | 10:33 | - O |
| T9+80 | 20 | _0.80_ | _ 10:37 | 0.8 |
| T10+00 | 10 | 0.00 | 10:35 | 0 |
| T10+50 | 10 | 0.00 | 10:25 | 0,02 |
| T10+80 | 20 | 0.45 | 10:48 | 0.35 |
| T11+20 | 40 | 0.05 | 10:45 | 0.35 |
| T12+00 | 10 | 0.00 | 9:17 | 12 |
| T12+50 | 10 | 0.00 | 8:19 | |
| T13+00 | 10 | 0.00 | 8:20 | 0 |
| T13+50 | 10 ′ | 9.00 | 9:21 | |
| T14+20 | 10 | 0.00 | 9/22 | D |

T14+20 10 0.00

T1/140 20
K:11-0870-TWAPL response strategy/Canal Cap DNAPL inspection checklist.xls

8:30-9:00 maperted wethouts West of west Bank Cup

BIOLOGICAL Sheens ONLY - No NICKEL/NIMBOU SHE

NAPL OF OUR!

Date: 1 - 20-04

Inspector: D. Macnan

| | Officet (distance east of west to cribbing in fi). | EV ENABLE: | i i i i i i i i i i i i i i i i i i i | The state of the s | |
|--------|--|------------|---------------------------------------|--|-------------------|
| T9+50 | 10 | 0.00 | 10:20 | 0 | |
| T9+80 | 20 | 0.80 | 19:22 | 0,60 | |
| T10+00 | 10 | 0.00 | 10:25 | 102 | |
| T10+50 | 10 | 0.00 | 10:29 | 0.02 | • |
| T10+80 | 20 | 0.45 | 1030 | 0.70 | >@11:55 0 AB ONAK |
| T11+20 | 40 | 0.05 | 10:15 | 0.45 | |
| T12+00 | 10 | 0.00 | 9:42 | 0 | |
| T12+50 | 10 | 0.00 | 9:37 | 0 | |
| T13+00 | 10 | 0.00 | 9:36 | 0 | |
| T13+50 | 10 | 0.00 | 9:36 | 0 | |
| T14+20 | 10 | 0.00 | 9:35 | 0 | |

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9:05-9:15 inspect wellonds in Area 6 west of cop. - Biological sheens only.
NO rainboursheems, NAPL, oran

10:00-10:15 Checked every ten Ft N-5, 10'E betakeen FII+00 AND TII+90 - NO NAPL

Date: 6-21-04 Inspector: D. Maynam

| ili før i en ka | Offset (distance | suune (15th | file action | ENAPL |
|-----------------|------------------|-------------|---|----------------|
| Transect | eribling in fi). | | Total Control of the | thickness (ft) |
| T9+50 | 10 | 0.00 | 14:05 | 0 |
| T9+80 | 20 | 0.80 | 14:07 | 0.8 |
| T10+00 | 10 | 0.00 | 14:08 | 0 |
| T10+50 | 10 | 0.00 | 14:10 | 0 |
| T10+80 | 20 | 0.45 | 14:12 | 0.25 |
| T11+20 | 40 | 0.05 | 14:14 | 1.45 |
| T12+00 | 10 | 0.00 | 8:32 | 0 |
| T12+50 | 10 | 0.00 | 8:32 | 0 |
| T13+00 | 10 | 0.00 | 8:30 | 0 |
| T13+50 | 10 | 0.00 | 8:30 | 0 |
| T14+20 | 10 | 0.00 | 8122 | 0 |

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8:10-8:20 IMPREST WEST-Cap AND 3 CK

on 6/21/67

NAPL OBSETUATIONS @ TIO+70,4'WEST EAST

water Depth O.6 FT

Sand Cap 0.8-1.15'Thick

2 FT SAND CAD PLACED @ O'N@ 11:00

6:30 AM - 6 tepping in wet sand causes releases of
Nafil 3-5' Bost & Tiots3 to circa Tiot60
Black NAPL and nicked shears released & shoreme

8:25 - Proplets of NAFL 'IA" Diameter observed
below water on cap & Tiots5, 5' to
proplets, associated with methode gas and
relied east-sewineast down cap.

11:00 - Immediately after placement of additional
foot of cap oter cribbing
1/2"-318" DNAPL Blabs coming through Sand
at Tiot 70, 4' East, then rolling down capsique.
No bas bubbles associated with over capsique.
OVAPL blobs being generated we very is sexuals
subsurface Camara Shows blobs rull Bown Southcast

towards POOI at Trotal, 2015.

14:40

TIOTTO, A East, MAPL BLOW generation of seconds

13.13chr3:49

Date: 6/22/04 Inspector: DMAYWARD

| | Offset (distance | ≠June 15th | er en en estado Albando estado estado Bergo estado | |
|-----------|--------------------|----------------|--|----------------|
| | seast of west | ENDAPE | | ENAPL |
| Transect. | escribbing in (f): | thickness (fi) | # ## Time / Fire | thickness (it) |
| T9+50 | 10 | 0.00 | 12:00 | <u> </u> |
| T9+80 | 20 | 0.80 | 12:03 | .8 |
| T10+00 | 10 | 0.00 | 12:05 | -0 |
| T10+50 | 10 | 0.00 | 12:06 | 5 |
| T10+80 | 20 | 0.45 | 17:12 | 0.65 |
| T11+20 | 40 | 0.05 | 12:15 | 0.5 |
| T12+00 | 10 | 0.00 | 17:10 | 0 |
| T12+50 | 10 | 0.00 | 12:19 | 0 |
| T13+00 | 10 | 0.00 | 12:20 | 0 |
| T13+50 | 10 | 0.00 | 12: 22 | 0 |
| T14+20 | 10 | 0.00 | 12:23 | 0 |

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15:30-1545 engrected Avea 6 -OK

Date: 6-23-04 Inspector: D. MAYNARD

| | Offset (distance) | "Sung 15th | Security Security | |
|-----------|-------------------|------------|-------------------|-----------------|
| | | BNAPL. | | DNAPL |
| Transect: | cribbing in fi). | | Time | thickness (ff): |
| T9+50 | 10 | 0.00 | 16.12 | |
| T9+80 | 20 | 0.80 | 10:17 | 0.7 |
| T10+00 | 10 | 0.00 | 10:20 | 0 |
| T10+50 | 10 | 0.00 | 10121 | 0 |
| T10+80 | 20 | 0.45 | 10:22 | 0.5 |
| T11+20 | 40 | 0.05 | 10:26 | 0.5 |
| T12+00 | 10 | 0.00 | 6:36 | 0 |
| T12+50 | 10 | 0.00 | 0.56 | 0 |
| T13+00 | 10 | 0.00 | 11:35 | 0 |
| T13+50 | 10 | 0.00 | 6:35 | 0 |
| T14+20 | 10 | 0.00 | 6:30 | 0 |

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Date: 6/24/04 Inspector: J. Bohrshy D. Mayhare

| Transact: | Offset (distance east of west cribbing in ft) & | EDNATE | and the second s | DNAPL fhickness (ff): |
|-----------|---|---------------|--|--------------------------|
| T9+50 | 10 | 0.00 | 9:50 | O. |
| T9+80 | 20 | 0.80 | 9:20 | 0.85 |
| T10+00 | 10 | 0.00 | 9:18 | 0 |
| T10+50 | 10 | 0.00 | 9:17 | 0 |
| T10+80 | 20 | 0.45 | 9:15 | 0 |
| T11+20 | 40 | 0.05 | 9:00 | 0.7 |
| T12+00 | 10 | 0.00 | 10:29 | Q |
| T12+50 | 10 | 0.00 | 10:29:30 | 0 |
| T13+00 | 10 | 0.00 | 79 . 70 | 0 |
| T13+50 | 10 | 0.00 | 10:30:15 | 0 |
| T14+20 | 10 | 0.00 | 10:31:30 | O |

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T 10+85 30

9:16

0.4

Date: 6-28-04 Inspector: D. Magnard

| en flyssig sam 1933) 2402 - Arris North Santon (19 | Offset (distance | | og og der by Demografie | DNAPL |
|--|------------------|--|----------------------------|-----------------|
| Transecti | oribing in ft) | A CONTRACTOR OF THE CONTRACTOR | Time | thickness (ft): |
| T9+50 | 10 | 0.00 | 8:55 | 1 0 |
| T9+80 | 20 | 0.80 | 9:15 | 10.7 |
| T10+00 | 10 | 0.00 | 4:11 | 28.01 |
| T10+50 | 10 | 0.00 | 9:09 | <0.01 |
| T10+80 | 20 | 0.45 | 9:04 | ~0.05 |
| T11+20 | 40 | 0.05 | 9:00 | 9.60 |
| T12+00 | 10 | 0.00 | 9:40 | |
| T12+50 | 10 | 0.00 | 4:40 | 0 |
| T13+00 | 10 | 0.00 | 9:41 | 0 |
| T13+50 | 10 | 0.00 | 9:41 | 0 |
| T14+20 | 10 | 0.00 | 9:42 | 401 0 |

T9+65 40 5 <0.01 8:50 M3 Pots on probe K:\1-0870-1\NAPL response strategy\Canal Cap DNAPL inspectionchecklist.xls

8:40850 Check every 2-3 FT Along T9+30 BOOM-NO NAPL ONCAP

710+85 25'E

9:08 NO.2'

9:03-9:07 check cap TIHBOTO THE HOOS. DUAPL-5-10'E, NO MESS. DUAPL-Few sheens

9:09-9:15 check CAT 70+80 to T9+80 5-10'E - No meas. DNAPL, some sheers

inspected area 6 wettends-NO ODOR, Petroleum sheems, DNAPL

Inspector: J. Behising

| Transect: | Offset (distance ∉ east of west cribbing in ft): | June 15th DNAPL #1 thickness (ft) | «Time | ONAPL thickness (ff): |
|-----------|--|---|-------|--------------------------|
| T9+50 | 10 | 0.00 | | |
| T9+80 | 20 | 0.80 | 15:35 | <.1 |
| T10+00 | 10 | 0.00 | 19:32 | 2.1 |
| T10+50 | 10 | 0.00 | 15:30 | <.(|
| T10+80 | 20 | 0.45 | 15:28 | Z.\ |
| T11+20 | 40 | 0. 05 | 15:25 | .75' |
| T12+00 | 10 | 0.00 | 15:10 | 0 |
| T12+50 | 10 | 0.00 | 15:09 | 0 |
| T13+00 | 10 | 0.00 | 15:08 | 0 |
| T13+50 | 10 | 0.00 | 15:00 | 0 |
| T14+20 | 10 | 0.00 | 15:07 | 0 |

K:\1-0870-1\NAPL response strategy\Canal Cap DNAPL inspectionchecklist.xls

TIOTBS 25 E = 0.1)5:28 Buoy outside Diag-Boom CARCANAI 40'E <0.1 15:40

$$9+80-30$$
 .0.1 $15:35$ $9+80-40$ 0.3 $15:40$

Date: 6/36/04 Inspector: J. Bensay

| | Offset (distance | June 15th | | DNAPL |
|----------|------------------|-----------------|-------|-----------------|
| Transect | eribbing in ft): | thickness (ft). | Time: | thickness (ft): |
| T9+50 | 10 | 0.00 | 13:22 | ۷.۱ |
| T9+80 | 20 | 0.80 | 13:20 | 4.1 |
| T10+00 | 10 | 0.00 | 13:19 | Z0.05 |
| T10+50 | 10 | 0.00 | 18/50 | ١. > |
| T10+80 | 20 | 0.45 | 13:10 | D-42.1 |
| T11+20 | 40 | 0.05 | 13:10 | 0.4 |
| T12+00 | 10 | 0.00 | 13:25 | 0 |
| T12+50 | 10 | 0.00 | 13;26 | 6 |
| T13+00 | 10 | 0.00 | 13:27 | G |
| T13+50 | 10 | 0.00 | 13:27 | 0 |
| T14+20 | 10 | 0.00 | 13:28 | 0 |

@ 30 ~ O. 1

5.3

K:\1-0870-1\NAPL response strategy\Canal Cap DNAPL inspectionchecklist.xls

Mack along hard boom no evidence west side of silt certain—none. 9+80 30.40 ~ 13:25 0.1

Date: 7-1-04 Inspector: D. Maynard (with Jean.chol, EPA)

| | | Offset (distance | slune (5th | | |
|----------------|----------------------|------------------|-------------------|--------------------|-----------------|
| | | east of west | EDNAPL | Part of the second | DNAPL |
| | altensede. | | dijijekiness (id) | Time: | thickness (ft). |
| d | T9+ 50 | 10 20 | 0.00 | 19:06 | 0' |
| ٦ _. | T9+80 | 20 | 0.80 | 10:00 | 0 |
| 4 | T1 0+00 ? | 90 40 20 | 0.00 | N18:01 | 0 |
| İ | T10+50 | 40 25 | 0.00 | 29:59 | 0 |
| , | T10+80 | 20 | 0.45 | ~ 9:55 | 50.1 |
| | T11+20 | 40 | 0.05 | 9:45 | 0.5 |
| | T12+00 | 10 | 0.00 | 10:47 | 0 |
| | T12+50 | 10 | 0.00 | 10:47 | 7 |
| | T13+00 | 10 | 0.00 | 10:46 | 0 |
| | T13+50 | 10 | 0.00 | 18:45 | On |
| | T14+20 | 10 | 0.00 | 10:45 | 0 |

K:\1-0870-1\NAPL response strategy\Canal Cap DNAPL inspectionchecklist.xls

| T10+80 | 60'E | 9:50 | shoens -o' |
|---------|------|-------|------------|
| T10+80 | 40' | 9:50 | 0 |
| T10+80 | 30' | 9:51 | <0.1' |
| T10+80 | 10' | 9:53 | sheens-o' |
| T10+60 | 30' | 9:53 | 0 |
| T10+42 | 25 | 9:54 | 0 |
| T10+25 | 20' | 9:55 | 0 |
| T9+80 | 25 | 10:04 | 0 |
| T9 + 70 | 251 | 10:05 | 0.25 DNAPL |
| T9+60 | 20' | 10:06 | 0 |
| T9+60 | 30' | 10:08 | 0 |
| T9+60 | 40' | 18:15 | 0 |
| T10+00 | 40' | 10:16 | 0 |
| T9490 | 50' | 10:18 | 0 |
| T9+80 | 50 1 | 10:20 | 0 |

Date: 7-2-04 Inspector: D. MAYWARD

| | Offset (distance) | June 15th | Carrier et 1918 augus Carrier et 1918 august | er getegtege for het. Kristerikerphilippe er |
|-------------------|-------------------|----------------|---|---|
| | east of west | DVAPL | | DNAPL |
| Firansects | eribbing in ft): | thickness (ft) | Time! | thickness (ft): |
| T9+50 | 10 | 0.00 | 9:32 | Oc/ |
| T9+80 | 20 | 0.80 | 9:29 | 0.35 |
| T10+00 | 10 | 0.00 | * | 1 |
| T10+50 | 10 | 0.00 | 9:24 | 0 |
| T10+80 | 20 | 0.45 | 9:23 | 0 |
| T11+20 | 40 | 0.05 | 9:16 | 0.35 |
| T12+00 | 10 | 0.00 | 8112 | 0 |
| T12+50 | 10 | 0.00 | 8:11 | 0 |
| T13+00 | 10 | 0.00 | 8:11 | |
| T13+50 | 10 | 0.00 | 8:10 | 0 |
| T14+20 | 10 | 0.00 | 9:10 | 0 |

9:46 T9+30 boom examined along entire clingth every 2-3 Ft. NO DNAPL,

NO Sheens NAPL or alor West

of Cap in Arbab.

9:21 T10+80 GO'E - OPWAPL

9:21 TIO+80 60'E - OFNAPL 9:22 TIO+80 25'E - 0.1' DNAPL 9:15 TII+40 30'E - 0' DNAPL 9:13 TII+20 30'E - 0.45' DNAPL

Date: 7-6-04 Inspector: D. MAYNARD/T. VOSburyh

| Transect: | Offset (distance Least of west cribbing in (t) | BNAPL (3) | The string of t | DNAPL thickness (ft) |
|-----------------|--|-----------|---|-------------------------|
| T9+50 | 10 | 0.00 | 10:07 | 0 |
| T9+80 | 20 | 0.80 | 10:09 | 0.30 |
| T10+00 | 10 | 0.00 | 10:10 | 0 |
| T10+50 | 10 | 0.00 | 9:56 | 0 |
| T10+80 | 20 | 0.45 | 9157 | 0 |
| T11+ 1 0 | 40 | 0.05 | 10:04 | 0.30 |
| T12+00 | 10 | 0.00 | 14:30 | 0 |
| T12+50 | 10 | 0.00 | 14.30 | 0 |
| T13+00 | 10 | 0.00 | 14:30 | |
| T13+50 | 10 | 0.00 | 14:31 | 0 |
| T14+20 | 10 | 0.00 | 14:31 | |

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See P5C5 RA FB10 pp 88-89 for additional Locations

10:15 Check Cap every 2-3' across Canal @ T9+30 - No sheens/NotyL

10:11 T10+05, 30'E 0.3' DNAPL 10:14 T11+40 40'E 0.15' 10:08 T9+90 30'E 0.05' 10:08 T9+70 30'E 0.15' 10:08 T9+60 10'E 0.10', 10:07 T9+50 20'E 0.05' 10:03 T11+00 40'E 0.15'

NO sheeps, NAPL, odors in wethouds west of coop, Areab.

Date: 7-19-04 Inspector: J. VOSburgh D. Maynand

| Transect | Offset (distance east of west cribbing in ft) | LE DNAPE | Time | DNAPL thickness (ft): |
|----------|---|----------|------|--------------------------|
| T9+50 | 10 | 0.00 | | |
| T9+80 | 20 -30 | 0.80 | | 0.10 |
| T10+00 | 40 30 | 0.00 | | 0.05 |
| T10+50 | 10 | 0.00 | | |
| T10+80 | 20 | 0.45 | | 0 |
| T11+20 | 40 | 0.05 | | |
| T12+00 | 10 | 0.00 | | |
| T12+50 | 10 | 0.00 | | |
| T13+00 | 10 | 0.00 | | |
| T13+50 | 10 | 0.00 | | |
| T14+20 | 10 | 0.00 | | |

| K:\1-0870-1\NAPL response strategy\Canal Cap DNAPL inspectionchecklist.xls | _ |
|--|-------|
| T9+70 20' | 0.05 |
| T10+20 20' | 0.05 |
| T9+70 30' | 0.02 |
| T11+30 60' | <0.01 |
| TU+75-80 60-65 | <0.01 |
| T10+80 40' | 20.01 |
| T11+40 40' | 20.01 |
| T11+20 30' | <001 |
| T10+90 30' | <0.01 |
| T9+40 20' | 20.01 |
| T9+50 20' | <0.61 |
| 711+40 30' | oheen |
| | sheen |
| T11+30 30 | Sheen |
| TID+25 30 | cheen |
| 170 | sheen |
| T11+60 13 | |

| In | spector_ | ennifer | Vosburah | Date | 5/19/0 | <u>4</u> Fi | eld Book and Pages <u>LA PCM 66#2</u> | <u> 136</u> - 138 |
|------------|----------|---------|----------|----------------|------------|-------------|---|-------------------|
| Monitoring | | | . 5 | Offset from | Nov.03 | Probe | | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 1.8 | clean - a few gas bubbles | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 2.5 | clean- a few gas buttles | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 1.9 | clean - a few ars buttles | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.3 | Clean - no gas bubiles | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | _2 | clean - no gas bubbles | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | a | clean - no gas bubbles | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | 2 | clean- no gas buttles | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | <i>a</i> .3 | dean no gas bubbles | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | 2.3 | 2.3 | clean - no gas bubbles | 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 2.5 | clean - no gas buttles | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | a.8 | cleon - no gas bubbles | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.3 | clean - a few gas buttles | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 2 | dean- a few gas bubbles | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 2.1 | clean-no gas bibbles-dirt | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | _2 | clean no gas bubbles - dirt | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.3 | cleon- a You gas HHUR | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2 | clean-no gas buttes | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 2 | clean- a few gos bubbles | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.5 | clean-no acis bibles | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 2 | clean - a ten goskibbles | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2 | clean - a few dos bublis | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.6 | clean - a few ges buble? | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2 | clean-no bubbles "muck" | 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 2 | Clean-lots of clean "ges" butthe | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2 | clean no gos hinder much | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W_ | 2.2 | 2.2 | minar ass hittis "cleon" | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W_ | 2 _ | 2 | | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 1.8 | a few "cleon" gos bibles Cleon- a few gos bibles | 27 |

| In | spector_ | * - | | • | | | Id Book and Pages pg 32-35, P | SCS f# #H |
|------------|----------|--------------|----------|----------------|------------|------------|-------------------------------|-------------|
| Monitoring | | Easting | | Offset from | Nov.03 | Probe | 10 | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth_(ft) | Depth (ft) | Notes: | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 1.8 | clean-few memore gas biblis | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 2.5 | Clean | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 1.9 | cien | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.3 | cicon | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 2 | clean | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 2.3 | clean | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | a | clean | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 2.3 | clean | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | - 2.3 | 2.3 | clean | _8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 2.5 | clean | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 2.8 | cleon | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.3 | clean | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 2 | clean | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 21 | elean | _13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 2 | clean | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.3 | clean | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2 | clean | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 2 | clean | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.5 | clean | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 2 | Clean | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2 | clear | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.3 | clean | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2 | clean | , 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 2 | clean | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 3 | Clean | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | a.2 | cheen | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 2 | clean | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 1.8 | cleon | 27 |

| In | ispector_ <u>/</u> |). May | mand | Date | 6-23 | MA Fie | eld Book and Pages ASCSRAFE | 80 0057 - |
|------------|--------------------|--------------|----------|----------------|------------|------------|--|-------------|
| Monitoring | | | | Offset from | Nov.03 | Probe | | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: | Probe# |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 2.3 | NO Tax adas, Pet Sheen, NAPL | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 25 | | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 2.0 | | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 23 | | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 21 | | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 23 | | 6 |
| 7_ | 218616 | 442858 | T13+24 | 28W | 2 | 21) | | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 2.3 | | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | - 2.3 | 2.3 | BIO-Sheen on works | mf. 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 75 | | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 2.8 | | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.2 | | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 2.0 | v | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 1.7 | | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 20 | - Stablest | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2-3 | BIO SICHENS | |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2.0 | The first the second se | ` 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 2.0 | <u></u> | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.3 | - Marie and a series of the se | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 20 | veptacement oru- | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2.1 | 16 | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.2 | | 21 \ |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2.0 | BID Hains | CA14-022 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 2.1 | | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2.2 | | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | 1.8 | | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 2.1 | <u> </u> | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 1,8 | V | 27 |

| In | ispector | O. May | nard | Date | 7-10 | 74 Fie | eld Book a | and Pages <i>PECSRA</i> | 1810 Mp 73 |
|------------|----------|--------------|----------|----------------|------------|------------|------------|-------------------------|-------------|
| Monitoring | Northing | Easting | • | Offset from | Nov.03 | Probe | | , | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: | | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 1.8 | NO | shoers / NAK | MOOR 2 |
| _ 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 2,5 | | | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 2.2 | | | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.3 | | | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 20 | | | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 2.3 | | | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | 2.0 | | | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 1.9 | | | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | < 2.3 | 2.5 | | | 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 2.5 | | | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 2.8 | | | 10 , |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.5 | | | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 20 | | v | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 1.9 | | | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 1,8 | | | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.4 | | | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 1.9' | | 8.62 | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 2.0 | | | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.3 | |) . | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 7.6 | | | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2.4 | | | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.1 | | | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2.0 | | | . 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 1.8 | jt k | | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2.3 | | | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | 2.0 | | | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 70 | | | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 1.8 | 1 | | 27 |

| | Weeki | ly Inspec | tion Sum | mary of Soil P | robes for S | Subsurface | NAPL De | elineation in Wetlands | |
|------------|----------|-----------|----------|----------------|-------------|------------|----------|--|-------------|
| In | spector_ | | | , | | | | nd Pages PSCSRAFE | 311 PP61-65 |
| Monitoring | | | 7 | Offset from | Nov.03 | Probe | | , , , , , , , , , , , , , , , , , , , | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: | some proonic sheeus | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 7.2 | No pet | some organic sheeps sheen, OPOR, NAPL | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 1,9 | / | 1 | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 1.9 | | | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.4 | | | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 21 | | | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 2.5 | | | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | 20 | | | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 2.0 | | | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | - 2.3 | 2.6 | <u> </u> | | 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 2.5 | | | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 2.8 | | | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.6 | | | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 20 | , | | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 2.0 | | | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 2.0 | | | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.5 | | | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2.0 | | | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 20 | | , | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.5 | | | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 21) | | | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2.5 | | | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.3 | | | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2.) | | | 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 2,0 | | | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2.0 | | | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | 2.2 | | | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 2,0 | | | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 1.9 | | 1/ | 27 |

| In | spector <u>D</u> | MAYWA | 1802/T. 1/12 | bullah Date | 7-12-0 | <i>9</i> 4 Fie | ld Book and Pages <i>PSB RA</i> | FB10 up 113. |
|------------|------------------|---------|--------------|----------------|----------------|----------------|---------------------------------|--------------|
| Monitoring | Northing | Easting | 7 | | | | | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: NO NAPL/NO SHEENS/ | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 22 | | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | 2.2 | | 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 1.9 | | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.3 | | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 2.0 | | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 2.3 | | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | 2.0 | | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 2.3 | | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | < 2 <u>.</u> 3 | 2.3 | | 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | 2.5 | | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 25 | | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.3 | | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 2.0 | • | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 1.9 | | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 1.8 | | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.3 | | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2.1 | | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | 24 | | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.3 | | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 2.3 | | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | Drive 20 | | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2/21 | | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 21 25 | | 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 2520 | | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2.5 | | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | 2.825 | | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 2.2 | | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 2.0 | <u> </u> | 27 |

Weekly Inspection Summary of Soil Probes for Subsurface NAPL Delineation in Wetlands

| In | spector <u> ೮</u> | MV | | Date | 7/19/0 | <u>4</u> Fie | ld Book and Pages <u>88-9)</u> | |
|------------|-------------------|----------------|----------|----------------|------------|--------------|--------------------------------|-------------|
| Monitoring | Northing | Easting | | Offset from | Nov.03 | Probe | | Autumn 2003 |
| Location | (m) | (m) | Transect | West Crib (ft) | depth (ft) | Depth (ft) | Notes: No nopl/sheurs present | Probe # |
| 1 | 218582 | 442859 | T14+33 | 27W | 1.8 | 1.8 | | 2 |
| 2 | 218586 | 442856 | T14+21 | 39W | 2.5 | Q.5' | | . 3 |
| 3 | 218591 | 442847 | T14+05 | 65W | 1.9 | 2.0 | | 4 |
| 4 | 218598 | 442851 | T13+82 | 52W | 2.3 | 2.25 | | 5 |
| 5 | 218605 | 442857 | T13+59 | 34W | 2 | 2. | | 41 |
| 6 | 218612 | 442854 | T13+34 | 42W | 2.3 | 23 | | 6 |
| 7 | 218616 | 442858 | T13+24 | 28W | 2 | 2.0 | | 42 |
| 8 | 218620 | 442856 | T13+08 | 33W | 2.3 | 2.3 | | 7 |
| 9 | 218624 | 442850 | T12+95 | 53W | ~ 2.3 | 2.5 | | 8 |
| 10 | 218637 | 442854 | T12+52 | 37W | 2.5 | ₽.5 | | 9 |
| 11 | 218638 | 442858 | T12+48 | 25W | 2.8 | 2.75 | | 10 |
| 12 | 218648 | 442850 | T12+17 | 48W | 2.3 | 2.2 | | 11 |
| 13 | 218656 | 442853 | T11+91 | 38W | 2 | 2- | v | 12 |
| 14 | 218659 | 442858 | T11+81 | 22W | 2.1 | 2.2 | | 13 |
| 15 | 218671 | 442857 | T11+40 | 25W | 2 | 2 | | 14 |
| 16 | 218672 | 442853 | T11+39 | 36W | 2.3 | 2.3 | | 15 |
| 17 | 218684 | 442858 | T11+00 | 20W | 2 | 2 | | 16 |
| 18 | 218685 | 442852 | T10+94 | 39W | 2 | ₽. | | 17 |
| 19 | 218693 | 442856 | T10+69 | 27W | 2.5 | 2.6 | | 18 |
| 20 | 218694 | 442851 | T10+64 | 40W | 2 | 2 | | 19 |
| 21 | 219699 | 442848 | T10+50 | 51W | 2 | 2- | ì | 20 |
| 22 | 218706 | 442848 | T10+26 | 52W | 2.3 | 2.3 | | 21 |
| 23 | 218709 | 442843 | T10+17 | 65W | 2 | 2 | | 22 |
| 24 | 218717 | 442852 | T9+90 | 34W | 2 | 1.9 | | 23 |
| 25 | 218719 | 442856 | T9+85 | 24W | 2 | 2 | | 24 |
| 26 | 218727 | 442856 | T9+57 | 21W | 2.2 | 2.3 | | 25 |
| 27 | 218727 | 442852 | T9+58 | 35W | 2 | 2 | | 26 |
| 28 | 218736 | 442859 | T9+29 | 10W | 1.8 | 2 | J | 27 |

george or to 100

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAIL INSPECTION CHECKLIST

Inspector: メルレ Flow Meter White Tank Bag Filter Sand Filter Carbon Filter Green (gal): DNAPL LNAPL Tank Thickness Thickness Pressure | Pressure Pressure Pressure Pressure Liquad Pressure Liguad Gage, 2B Gage, 3A: Level (ft): Gage, 1A: Gage, 1B Gage, 2A: Gage, 3B Level (ft): *50,235 Start Time: 1249 1.05 (mixed) 1305 () 1.30' .54 < .01 68 B 7-7-04 1.66 .651 1550⁽²⁾ <.01 W ~2900 ^*92*7 Notes: * 1000 gollows from 10st pumping; (1) 412 gollows from second pumping, (1) with an oddition 1 936 gol.

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

| | Date: | 7/8/04 | | - | | Inspector: JMV | | | | | |
|-------------|-----------------------|--------------------|--|-----------------------|----------------------|-----------------------|----------------------|-----------------------|-------------|-----------------------|----------------------|
| | | White Tank | | Sand | Filter | Bag | Filter | Carbo | n Filter | Green | Flow Meter (gal): |
| | | DNAPL | LNAPL | _ | _ | | | | | Tank | |
| Time: | Liquad Level (ft): | Thickness (ft): | Thickness | Pressure Gage, 1A: | Pressure Gage, 1B | Pressure Gage, 2A: | Pressure Gage, 2B | Pressure Gage, 3A: | Pressure | Liquad Level (ft): | *50,235 Start |
| 0935 | #2.15 | ~0.70 | (ft): | † | Gage, ID | Gage, ZA. | Gage, 20 | Gaye, SA. | Gage, 3B | Level (II.). | 30,233 Start |
| 1214 | ^2.54 | ~0.75 | ۷.۵۱′ | N/A | | | | | | | |
| 1511 | *2.9B | ~0.80 | <.01 | NA | | | | | | | |
| 13.11 | 24.70 | (), ()U | 2.01 | NA - | | | | | | | |
| - | | | | | | | | | | | |
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| Notes: | irst event: | ~ 895 | adline: | Zna event: n | 7944. | . 3 rd 6 | event: 19 | 75 00110-5 | . 41 eve | ut lighten | in abie |
| Manologa | a ston w | 0/2 - h-1 | Janal On | 1.1/80 | 1 1 1 2 | andione of | 27/0/6 | 14 Selling | | 19.70 | J. W. |
| 100 proper | - SICK | THE STATE | TOUCH CF | ry CEC | 11, VIII (.1 | WILLIAM CD | 11-11- | | | | |

PINE STREET CANAL SITE - WEST BANK CAPPING

PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

Date: 7/9/04

| | | White Tank | | Sand Filter | | Bag Filter | | Carbo | n Filter | Green | Flow Meter (gal): |
|----------|----------------|------------|----------------|-------------|----------|------------|----------|-----------------|--------------|-------------|----------------------|
| | | DNAPL | LNAPL | | | | | | | Tank | |
| | Liquad | Thickness | Thickness | Pressure | Pressure | Pressure | Pressure | Pressure | Pressure | Liquad | |
| Time: | Level (ft): | (ft): | (ft): | Gage, 1A: | Gage, 1B | Gage, 2A: | Gage, 2B | Gage, 3A: | Gage, 3B | Level (ft): | *50,235 Start |
| 0940 | *3.36 * | <u>^</u> | <-01' | N/A - | | | | | | <u> </u> | > |
| 1556 | ~3.70 | ~.70'ak) | <.01° | N/A - | | | | | | | |
| | | 500 b | tous | | _ | | | | | | |
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| Notes: instease: Continued from 7/9/04 - 2863, 4 gollons, 2nd event: 1 670.9 gollons | |
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| (*) used a new boile, Liver share my true affected Dura reading, caused permissions stoins, do | |
| boiler high less than laurd level, difficult to feel boilion of toxic | |
| | |

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

| _ | | Date: | 7/13/0 | ,4 | | | Inspector: | _SMV/= | 1-B | | | |
|--|-------------|---|------------|-----------------------------|-----------------------|----------------------|------------|----------------------|-----------------------|----------------------|-------------------------------|----------------------|
| | | | White Tank | | Sand | Filter | Bag | Filter | Carbo | n Filter | Green | Flow Meter (gal): |
| S. C. S. | Time: | Liquad Level (ft): | (ft): | LNAPL Thickness (ft): | Pressure Gage, 1A: | Pressure Gage, 1B | | Pressure Gage, 2B | Pressure Gage, 3A: | Pressure Gage, 3B | Tank Liquad Level (ft): | *50,235 Start |
| | 1780 | *3.97 | 2,95 | ₹.01 | NIA - | | | | | | | |
| | | | | | | | | | | | | |
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| Ŀ | Notes: | 0 965 | Callens in | umpad @ | 463.9 a | allows va am | red Civil | moha -hou- | Amanu | NA 6-# | (7) | |
| _ | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - | <i></i> | | - Jami | - VV (II | AUR. IF L | WAR CATINO | 7 5 - 5 - 4 0" | | |

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

Date: 7/14/04 Inspector: JMV

| | | White Tank | | Sand Filter | | Bag Filter | | Carbo | n Filter | Green | Flow Meter (gal): |
|---------|-----------------------|-----------------------------|-----------------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-------------------------------|----------------------|
| Time: | Liquad Level (ft): | DNAPL Thickness (ft): | LNAPL Thickness (ft): | Pressure Gage, 1A: | Pressure Gage, 1B | Pressure Gage, 2A: | Pressure Gage, 2B | Pressure Gage, 3A: | Pressure Gage, 3B | Tank Liquad Level (ft): | *50,235 Start |
| 0750(4) | 4.20 | ^II in. | ∠ .01 | | | | | | | | |
| 100 | 4.55 | ~12in. | <.01 | | | | | | | | |
| 1420 | 4.99 | 41.10 | ∠.ol | | | | | · | - | | |
| 1630 | 5.34 | N 1.10 | 4.01 | | | | | | | | |
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| Notes: (*) prior to | pumping accounts for last pumping | event on 7/13/04 (~ 463.9 ad.); 1st event: ~ 946 gol; |
|-----------------------|--------------------------------------|--|
| 2nd event ~ 999.7 901 | ; 3/4 editi ~ 965 ad : 4th eint: 906 | ud - will account for the white time knulls on 7/15/04 prior |
| to pumping | | |

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PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

Date: <u>17/15/04</u> Inspector: <u>3/11/.D##</u>

| | White Tank | | | Sand | Sand Filter | | Bag Filter | | Carbon Filter | | Flow Meter (gal): |
|------------|-----------------------|-------|-----------------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-------------------------|----------------------|
| Time: | Liquad Level (ft): | | LNAPL Thickness (ft): | Pressure Gage, 1A: | Pressure Gage, 1B | Pressure Gage, 2A: | Pressure Gage, 2B | Pressure Gage, 3A: | Pressure Gage, 3B | Tank Liquad Level (ft): | *50,235 Start |
| 0700(K) | 5.75 | 1.05 | <.01 | | | | | | | | |
| 1020 | 6.2 | 1.06 | 4.61 | | | | | | | | |
| 1305 | 6.54 | 1.40 | c.01 | | - | | | | | | |
| 1515 | 6.80 | *4.80 | 4.01 | | | | | | | | |
| 1610 | 7.08 | ~1.30 | ۷.01 | | | | | | | | |
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| Notary (4) accounts | £ / | Telse tale of | and let water ~ | 902 | and events - 670 |
|---------------------|---------------------------------|-------------------|--------------------|-------------|------------------|
| 3rd event accorpars | for last exampling was as event | 1180 Co 11 Clouds | dot had do | 103 gal , | 1 1 |
| 10000 | 6.10 aa | TOTIL GREEK. | TONE ROW TONYMIN 1 | IM Prive TO | panping) |

1118" Q1 97 91 39

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

Date: 7 /9-04

Inspector: D. Mayand J. Welsey

| 111 05 | | | | | - | | • | | - | | 0 | •/ | |
|---------------------|--------|-------------|------------|-----------|-----------|---|----------------|----------|-----------|---------------|-------------|---------------|--|
| - ^{An} a (| | | | , | | | | | 1 | | | Flow Meter |] ` |
| 19 47 | 1 | | White Tank | ί | Sand | Filter | Bag | Filter | Carbo | n Filter | Green | (gal): | |
| η, | | | DNAPL | LNAPL | | <u>. </u> | | | | | Tank | |] |
| | | Liquad | Thickness | Thickness | Pressure | `Pressure | Pressure | Pressure | Pressure | Pressure | Liquad | | |
| | Time: | Level (ft): | (ft): | (ft): | Gage, 1A: | Gage, 1B | Gage, 2A: | Gage, 2B | Gage, 3A: | Gage, 3B | Level (ft): | *50,235 Start | |
| 14980601> | 10:00 | 7.75 | 1.0-1.17 | <0.01 | | | | | | | 0 | | |
| per primay | 10:00 | Start 1 | PUMP . | for the | osmen | + 5450 | em-F | ump se | ナル3 | FT AFF | BOTTER | 1/LELOW | mark or |
| 7744 | 10:40 | 2534"BR | 7000 | | 6 | 6 Bus | 6.0 | 6 | 5 | 5 | | 1 | -01e 900 |
| • | 10:25 | | | | 10 | 9 | 9 | 9 | 7 | ヺ | 0.25 | 50,239 | meter no meter normal DM 190gal |
| | 10-30 | | | | 11 | 10.5 | 10 | 10 | 8 | 8 | 0.7500 | | 190 get |
| 0/3 14/2 -57 | 10:55 | 31"Brim | | | 10 | 10 | 9.5 | 9.5 | 9 | 3.5 | 0.75 | 455-480 FI | rom Tenk STE |
| 57 | 11:25 | 34" B.11m | LEL - | zero | 10 | 9.5 | 9.5 | 4.5 | 8.3 | 8.8 | 1.0 | 1640-1500 b | N2261M |
| 35 | 11:55 | 37" " | , ; | | 10 | 9.3 | 9.3 | 9.5 | 8.3 | 3.8 | 16" | 2300- | 226pm |
| | 12:25 | 40 " | | | 10 | 9 | 9 | 9.5 | . 8 | 9 | 19" | 2797 | |
| İ | 1255 | 43 | | | 10 | ď | Ġ | 65 | 8 | 8-5 | 24" | 3625 | |
| | 1325 | 47" | | | 10 | 9 | 9 | 9.5 | 8 | 85 | 27' | 4120 | |
| | 1355 | 49.5" | | | 10 | 9 | 9 | 95 | 8 | 8.5 | 31.25 | ~4800 | |
| | 1425 | 53.25 | | | 16 | 9 | 9 | 9.5 | 8 | 8.5 | 36 | 5608 | |
| | 1455 | รก" | | | 10 | 9 | 9 | 9 | 8 | 9. 5 3 | 7-5750-19 | of 6112,75 | |
| | 1531 | 61" | | | 10 | 9 | 9 | 9 | 8 | 85 | 44" | 7005 | |
| | 1600 | 657 | | | 95 | 9 | O ₁ | q | 8 | 8 | 40- | ~ 7564.49 | |
| | 1600 | €6.5" | | | 9.5 | 9 | 9 | 9 | 8 | 3.5 | sl" | ^8\$/O | |
| | Notes: | 10:15 d | hange some | FILTER 4 | wase 18 | Bump | ND FLO | W 10:23 | 7 | | | <u> </u> | |
| | 1648 | To" | 1.05 | <0.01 | 43 | ⁷ 9 | ' Q' | 0 | 8 | 8.5 | 52.5 | 8586 | -> end |

PINE STREET CANAL SITE - WEST BANK CAPPING PUMP AND TREATMENT SYSTEM DAILY INSPECTION CHECKLIST

| | | | White Tank | | Sand | Filter | Bag | Filter | Carbo | n Filter | Green | Flow Meter (gal): |
|----|----------|-----------------------|------------|-----------------------------|-----------------------|----------------------|---------------------------------------|----------------------|-----------------------|----------------------|--|----------------------|
| | Time: | Liquad Level (ft): | , | LNAPL Thickness (ft): | Pressure Gage, 1A: | Pressure Gage, 1B | Pressure Gage, 2A: | Pressure Gage, 2B | Pressure Gage, 3A: | Pressure Gage, 3B | Tank Liqu a d Level (ft): | *50,235 Start |
| RT | 1130 | 69" | ~1.1 ft. | | 8.5 | 8 भेड | 8.5 | 8,5 | 7,5 | 8.0 | | |
| | 7:45 | <u> </u> | 1.5 | | | | | | | | 54" | |
| | 8:10 | | | | 9.0 | 8,75 | 8.5 | 8.5 | 7,5 | 8.0 | | |
| | 9:10 | 77" | _ | | 9.0 | 8.8 | 8,5 | 8,5 | 7.5 | 7,7 | 64" | |
| | 10:00 | 85" | | | 9.0 | 8175 | 2.4 | 8.5 | 7,5 | 7.6 | 69.5" | |
| | 10(35 | 874 | | | 8,9 | 875 | 8.2 | 001 | 7.1 | 7.5 | 73,5" | |
| | 11:45 | | | | | | | | | | 81,54 | |
| P | 50 | 98,5" | | ļ | | , | | | | | | |
| | 12:00 | COLLE | CT SA | MPLE | FROM | GREEN | TANK | WATTR | TEMP. | = ~70 ° F | , | |
| | | | | | | | | | - | | | |
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K:\1-0870-1\West Bank Remidial Action\Pump and Treat Inspection Sheet.xls

1-0870-2

PINE STREET CANAL SUPERFUND SITE SURFICIAL CAP INSPECTION FORM

| neci | |
|------------|--|
| poo | tor (Print Name): Dan Maynand Signature: Bill Illy Mo |
| | AREA 7 Condition of DPW inlet channel and forebay: |
| | Condition of terrestrial cap: GOOD - MINDR MUSICAT BURROWS NEAR SOU |
| | Condition of vegetation: 6-00 1) - BARE PATCHES @ SEND GILBANE STONE DITCH + |
| | Condition of rip-rap slope: GOD |
| | Condition of drop inlet: 6900, MIREN blockage of trush nack |
| | Condition of cap at water level: GOOD |
| | Signs of Settlement: 10 |
| | Signs of Erosion: |
| | AREA 3 |
| | Condition of terrestrial cap: 6-000 |
| | Condition of vegetation: |
| | Signs of Settlement: |
| | Signs of Erosion: MO |
| [. | AREA 2 WATERWAY |
| | Overall alignment: (SOD) |
| | Condition of vegetation: 6000, 1-2" bediment in Rack channel |
| | Signs of settlement: M |
| | Signs of erosion: /// |
| [. | Notes: |
| | BED OUTFALL FLOODED, NO EROSION, |
| | 1-211 SILT ON STONE CIP at BASIN |
| | 100'x 100' CAP Area Good, NO EROSION, Vegetation G. |

APPENDIX 10 CONSTRUCTION QUALITY ASSURANCE DOCUMENTATION

APPENDIX 10A SUBMITTALS

OK FOR Spec. 13550 per Don May nard. The JOHNSON CO.INC.



6172684874

TECHNICAL DATA SHEET

Mirafi S1200

Mirafi S1200 is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. S1200 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

| Mechanical Properties | Test Method | Unit | Minimum Average Roll Value |
|------------------------------|-------------|---------------------------|-------------------------------|
| Weight | ASTM D 5261 | g/m² (oz/yď²) | 1407 (12.0) |
| Thickness | ASTM D5199 | mm (mils) | 3.30 (130) |
| Grab Tensile Strength | ASTM D 4632 | kN (lbs) | 1.38 (310) |
| Grab Tensile Elongation | ASTM D 4632 | % | 50 |
| Trapezoid Tear Strength | ASTM D 4533 | kN (lbs) | 0.53 (120) |
| Mullen Burst Strength | ASTM D 3786 | kPa (pai) | 4473 (650) |
| Puncture Strength | ASTM D 4833 | kN (lbs) | 0.80 (180) |
| Apparent Opening Size (AOS) | ASTM D 4751 | mm (U.S. Sieve) | 0.150 (100) |
| Permittivity | ASTM D 4491 | sec-1 | 0.9 |
| Permeability | ASTM D 4491 | cm/sec | 0.30 |
| Flow Rate | ASTM D 4491 | l/min/m² (gal/min/ft³) | 2647 (65) |
| UV Resistance (at 500 hours) | ASTM D 4355 | % strength retained | 80 |

| Test Method | Unit | Typicai Value |
|-------------|----------|---------------------|
| ** | m. | 4.6 x 91 |
| | (ft) | (15 x 300) |
| _ | m² (yd²) | 418 (500) |
| | kg (lb) | 186 (409) |
| | - | - m (ft) - m² (yd²) |

DISCLAIMER: TC Mirafi warrants our products to be free from defects in material and workmanship when delivered to TC Mirafi's customers and that our products meet our published specifications. Contact your local TC Mirafi Representative for detailed product specification and warranty information.

\$1900,DOC



Nonwoven **Geotextiles**

DOUG WILLIAMS

Account Manager

Bus.: (802) 951-9279 Fax: (802) 860-1040

Cell: (802) 371-(

3348 St. George Road • Williston, VT 05495

| COMPANY AND THE PROPERTY OF TH | The remains conformance with the and pencial compliance with the conformation is conficulties and dimension as a fall action measure. If we as fall action, meaning the conficulties and dimension as a fall action, meaning the conficulties. | on on a second s |
|--|---|--|
| | ☐ Make Corrections Noted | nakeT natideax3 oV 🔲 Stard suist targ rut nati 🗍 |
| Mosta | HM79 | NASO 90H8 |
| MN0 51 7.7951 U | TERNAL ONY O | ် <i>၀</i> |
| YfaaH ^G TUDYM GGT. | 1408 24 10 | m |
| -JWICK | AJYTO AMOCO | 0 7 |
| 190 11110 V | Amoco Fabrics and Fibers Company | · — |
| ·N.6 | 01 01 10 321 Dadg 10 7 CNI-KHON 1819 | 1 1 |



| - | | Ur | its | Petrom | at® 459 | 45 | 53 | 450 | 4 | 450 |)6 |
|-------------------------------|----------------|----------------------|--------|----------------------|---------|----------------------|--------|----------------------|-----------------|----------------------|--------|
| Properties ¹ | Test Method | American Standard | Metric | American Standard | Metilic | American Standard | Metric | American Standard | Metric | American Standard | Metric |
| Physical | | | | | | 1 | | | | | |
| Unit Weight | ASTM-D 5261 | oz/yd² | g/m² | N/ | A | N/ | /A | 4.0 | 135 | 6.0 | 200 |
| Grab Tensile Strength | ASTM-D 4632 | lb | kN | 90 | 0.4)0 | 203 | 0.900 | . 95 | 0.420 | 160 | 0.710 |
| Grab Tensile Elongation | ASTM-D 4632 | % | | 50 |) : | 50 | 0 | . 50 |) . <u>—</u> | 50 |) |
| Mullen Burst | ASTM-D 3786 | lb/in² | kPa | 180 | 12/0 | 400 | 2750 | 225 | 1550 | 350 | 2410 |
| Puncture | ASTM-D 4833 | lb | kN | N | /A 5 | 130 | 0.575 | 65 | 0.285 | 90 | 0.400 |
| Trapezoid Tear | ASTM-D 4533 | lb | kN | N | /A 30 | 80 | 0.355 | 35 | 0.155 | 65 | 0.285 |
| UV Resistance ² | ASTM-D 4355 | %@_ | _hr | 70/1 | 50 | 70/5 | 500 | 70/5 | 00 | 70/5 | 00 |

| Hydraulic | · . | Ur | its | Petron | at ^o 459 | 4! | 553 | 45 | 04 | 45 | 606 |
|---------------------------|----------------|----------------------|-----------------|------------|---------------------|-----|----------|------|-------|------|-------|
| Apparent Opening Size | ASTM-D 4751 | US std. sieve no. | mm | ١ | I/A 50 | 100 | 0.150 | 70 | 0.212 | 70 | 0.212 |
| Permittivity | ASTM-D 4491 | se | c ⁻¹ | N | /A | | 1.5 | 2 | 2.0 | 1 | .5 |
| Permeability | ASTM-D 4491 | cm | /sec | ١ | VA | ٨ | √A . | 0 | 20 | 0. | 30 |
| Flow Rate | ASTM-D 4491 | gal/min/ft² | l/min/m² | ٨ | I/A (0 | 110 | 4470 | 145 | 5890 | 110 | 4470 |
| Packaging | | | | | | | <u> </u> | | , | | |
| Roll Width | | ft | m. | 12.5 15 | 3. ₅ | 15 | 4.6 | 15 | 4.6 | 15 | 4.6 |
| Roll Length | | ft | m | 360 300 | 11 91 | 240 | 73 | 1200 | 365 | 900 | 274 |
| Gross Weight ³ | | lb | kg | 135 135 | 6 ₅ | 230 | 105 | 560 | 255 | 630 | 285 |
| Area | - | yď² | . m² | 500 500 | 418 41 | 400 | 334 | 2000 | 1672 | 1500 | 1254 |

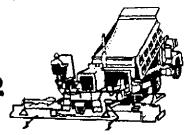
N/A – Not Applicable 1 – Physical and hydraulic properties reported as minimum average roll values. $2 - P\epsilon$

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| PROJECT SU | BMITTAL FORM | |
|------------------------------------|----------------------|-----------|
| Description | Specification Number | |
| RIPRAP 12"MINUS | Section 02262 - PAL | T 2.00 19 |
| RIPRAP 12"MIAUS TYPE I STOME FILL | | |
| | | |
| | | |
| · | | |
| · | | |
| per 8/13/02 Letter From | Fronk W. Whitcomp | |
| | | |
| | | |
| Johnson Company Review | | |
| cceptable Millim |) Date 8-13-02 | |
| cceptable with Revisions | Date | ì |

gride gride P.O. BOX 155 WINCOSKI VERIMONT 06404 (802) 655-1270 FAX: (802) 655-0320

FRANK W. WHITCOMB CONSTRUCTION CORP.



FRANK W. WHITCOMB 1910-1977

To: Rick Ramuglia From: Mike Bailey

Date: August 13, 2002

RE: FWW Product #27 - Type I Stone Fill

This material meets the requirements of State of Vermont Agency of Transportation Standard Specifications for Construction – 2001, Item 706.04(a). It is readily available from the lower surge pile at our Colchester quarry,



Acceptable For Areas Marked
"Wetland. Grass SEED MIX"

ON APPROVED PLANS.

NOT ACCEPTABLE FOR AREAS

MARKED
"WETLANDS DIVERSITY MIX"

OR "VERMONT CONSERVATION MIX"



RESTORATION SEED MIX

by:

Southern Tier Consulting & Nursery
The Wetland Plant & Seed Source

2701-A Route 305
P.O. Box 30
West Clarksville, NY 14786
(585)968-3120 Fax: (585) 968-3122
Email: <froghome@eznet.net>
Website: <www.southerntierconsulting.com>

Northeast Wetland Grass Seed Mix

1 pound will cover 2,900 sq. ft. @ 550+ seeds per sq. ft.

This Wetland grass seed mix was developed for use in the Northeast. The species composition allows for variations in moisture and light conditions and the addition of Annual Ryegrass, Lolium multiflorum, provides erosion control and early organic input. We recommend a seeding rate of 15 pounds per acre.

| Percent by No. of seeds (not weight) | Scientific Name | Common Name |
|--|--------------------------|--------------------|
| 63.0% | Agrostis stoloni era | Creeping Bentgrass |
| 17.0% | Poa trivialis | Rough Bluegrass |
| 11.0% | Alopecurus arun dinaceus | Meadow Foxtail |
| 4.5% | Lolium multiflotum | Annual Ryegrass |
| 4.5% | N Panicum clandestinum | Deertongue |

| Lot | Test | Origin |
|-------------|---|---|
| Number | Date | |
| 04-01-99 | 11/99 | PA |
| 111-05-01 | 8/01 | OR |
| 07-05-01 | 02/01 | SD |
| 93-05-01 | 11/01 | PA |
| 101-er05-01 | 5/01 | PA |
| | Number 04-01-99 111-05-01 07-05-01 93-05-01 | Number Date 04-01-99 11/99 111-05-01 8/01 07-05-01 02/01 93-05-01 11/01 |

| PINE STREET CANA | L PHASE 1B |
|--|-------------------------------|
| PROJECT SUBMIT | TAL FORM |
| | |
| Description | Specification Number |
| | · |
| Topsoil | Section 02992 - 2.02 and 2.03 |
| A Company of the Comp | |
| gradient in the second of the | |
| Intervale Compost Products | |
| 282 Intervale Road Burlington, VT 05401 | _ |
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| | |
| | |
| | |
| Johnson Company Review | |
| (AMININA) | 11/20/05 |
| Acceptable Assignment Acceptable | Date ///20/02 |
| Acceptable with Revisions | Date |
| | |
| Rejected/Re-Submit | Date |

NEED ACT 250 PERMIT FOR SUBMITTAL TO EPA +VITEC



39 Spruce Street * 2nd Floor * East Longmeadow, MA | 01028 * FAX 413/525-5405 * TEL: 413/525-2332

REPORT DATE

11/03/02

ONETIME INDIVIDUAL CLIENTS

ATTN: RICK RAMUGLIA

CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #:

LIMS-87596

JOB NUMBER: ME2603

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: INTERVALE/PINE ST. CANAL

FIELD SAMPLE #

LABID

MATRIX

SAMPLE DESCRIPTION

TEST

01-INTERVALE TOP 02B29813

NOT SPECIFIED

toc - soil

SUBCONTRACTED

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033

AIHA ELLAP (LEAD) 100033

MASSACHUSETTS MA0100

NEW HAMPSHIRE 2516

CONNECTICUT PH-0567

VERMONT DOH (LEAD) No. LL015036

NEW YORK ELAP 10899

RHODE ISLAND (LIC. No. 112)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod Kopyscinski

Sondra S. Kocot

Director of Operations

Quality Control Coordinator

Edward Denson **Technical Director**



39 Spruce Street * 2nd Floor * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL, 413/525-2332

RICK RAMUĞLIA

ONETIME INDIVIOUAL CLIENTS

11/08/02

Page 1 of 2

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-BAT #:

LIMS-67526

Date Received:

11/08/02

Field Sample #: 01-INTERVALE TOPSO

Job Number:

ME2808

Sample ID:

02829813

Sampled: 11/05/02

NOT SPECIFIED

Sample Matrix:

SOIL

Resuits

Date

Analyst

SPEC Limit

P/F

Total Organic Carbon

mg/kg

Units

79,800.

11/08/02 NUS

Analyzed

RL

50.

Lo

Analytical Method:

LLOYD KAHN METHOD

OK (73% per spec 02992

RL = Reporting Limit

ND = Not Detected NM = Not Measured SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street * 2nd Floor * East Longmeadow, MA | 01028 * FAX 413/525-6405 * TEL: 413/525-2332

REPORT DATE 11/12/02

ONETIME INDIVIDUAL CLIENTS

ATTN: RICK RAMUGLIA

CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT#

LIM\$-67597

JOB NUMBER: ME2808

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report

PROJECT LOCATION: INTERVALE/PINE ST. CANAL

| FIELD SAMPLE # | CI SAJ | MATRIX | SAMPLE DESCRIPTION | TEST |
|--|----------------------|--------------|--------------------|---|
| 01-INTERVALE TOP 01-INTERVALE TOP 01-INTERVALE TOP 01-INTERVALE TOP | 02929814 02929814 | SOIL SOIL | INTERVALE TOP SOIL | cu (mg/kg) icp metals-drore sol pah - solid zn (mg/kg) icp |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AJHA 190033

AlHA ELLAP (LEAD) 100033

MASSACHUSETTS MA0100

NEW HAMPSHIRE 2516

CONNECTICUT PH-0587

VERMONT DOH (LEAD) No. LL015036

NEW YORK ELAP 10899

RHODE ISLAND (LIC. No. 112)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and

Sondra S. Kocot

Tod Kopyscinski Director of Operations

Quality Control Coordinator

SIGNATURE

Edward Denson Technical Director 39 Spruce Street * 2nd Floor * East Langmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

RIÇK RAMUĞLIA

ONETIME INDIVIDUAL CLIENTS

11/12/02

Page 1 of 8

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-BAT #:

LIMS-67597

Date Received:

11/8/02

Job Number:

ME2808

Field Sample #: 01-INTERVALE TOPSO

Sample ID:

02829814

Sampled: 11/8/02

INTERVALE TOP SOIL

Sample Matrix:

Results Date Analyst

P/F

SOIL

Units

Analyzed

RL

\$PEC Limit Lo

Copper

mg/kg

19.0

11/11/02

0.50

Analytical Method:

\$11846 3050/6010

270 ppm

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit

ND = Not Detected NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

" = See and or report for comments and notes applying to this sample



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RICK RAMUGUA

ONETIME INDIVIDUAL CLIENTS

11/12/02

Page 2 of 6

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-BAT#:

LIMS-67597

Date Received:

11/8/02

ME2808

Field Sample #: 01-INTERVALE TOPSO

Job Number:

Sample ID:

02929814

Sampled : 11/6/02

INTERVALE TOP SOIL

Sample Matrix:

SOIL

| | Units | Results | Date | Analysi | RL | SPEC | Limit | P/F | |
|----------|-------|---------|----------|---------|---------|------|-------|-------|--------------------------|
| | | | Analyzed | | | Lo | Hi | | |
| Arsenic | mg/kg | ND | 11/11/02 | MS | 5.00 | | | | |
| Banum | mg/kg | 26.9 | 11/11/02 | M\$ | 0.10 | | | | |
| Cadmium | mg/kg | 0.21 | 11/11/02 | MS | 0.05 | | | | |
| Chromium | mg/kg | 7.27 | 11/11/02 | MS | 0.35 | | | | 4 - 440 - 14 |
| Lead | mg/kg | 16.8 | 11/11/02 | MS | 2.50 % | ーハベ | Ĝ | RC. | 02992-218 _{API} |
| Mercury | mg/kg | 0.026 | 11/08/02 | KRL | 0.005 - | | | | • |
| Selenium | mg/kg | ND | 11/11/02 | Ms | 5.00 | يد ا | | 4 . 4 | ADDAD ATI |
| Silver | mg/kg | ND | 11/11/02 | MS | 0.50 | DOR | : 6p | RC 1 | 92112-0.+1 |
| | | | | | | | / | | 92992-0.71 Ppm |

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^{* =} See end of report for comments and notes applying to this sample



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RICK RAMUGLIA

ONETIME INDIVIDUAL CLIENTS

11/12/02

Page 3 of 6

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-BAT#:

Date Received:

11/8/02

Job Number: ME2808

LIMS-57597

Analytical Method: Arsenic

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Barium

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Cadmium

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Chromium

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Lead

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Meroury 1/1

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

Analytical Method: Selenium

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

Analytical Method: Silver

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit

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NM = Not Measured

SPEC LIMIT = a citent specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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RICK RAMUGLIA

ONETIME INDIVIDUAL CLIENTS

11/12/02

Page 4 of 6

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

I IMS BAT #:

SPEC Limit

= 1330 ppb

LIM3-67597

P/F

Date Received:

11/8/02

Job Number:

ME2868

Field Sample #: 01-INTERVALE TOPSO

Sampled : 11/6/02

Sample ID:

02829814

INTERVALE TOP SOIL

Sample Matrix:

SOIL

| | Units | Results | Date Analyzed | Analyst | RL |
|------------------------|-------|---------|------------------|---------|------|
| Acenaphthene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Acenaphthylene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Anthracene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Benzo(a)anthracene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Benzo(a)pyrene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Benzo(b)fluoranthene | mg/kg | ND | 11/08/02 | ₿ĢL | 0.33 |
| Banzo(g,h,i)perylene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Benzo(k)fluoranthene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Chrysene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Dibenz(a,h)anthracene | mg/kg | ND | 11/08/02 | BGL | 0,33 |
| Fluoranthene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Fluorene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Indeno(1,2,3-cd)pyrene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| 2-Methylnaphthalene | mg/kg | ND | 11/08/02 | BGL | 0,33 |
| Naphthalene | mg/kg | ND | 11/08/02 | BGL | 0.33 |
| Phenanthrene | mg/kg | 70 | 11/08/02 | BGL | 0.33 |
| Pyrene | mg/kg | ND | 11/08/02 | BGL | 9.33 |

OK Eng. Judgement Spec 02992 ERM min PAH=260 ppb dibenzo(a,b)onthacene next Lowest 2 500 ppb. acenaptilbene TOTAL < 21 ppm PAH</p>

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GOMS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

^{* =} See and of report for comments and notes applying to this sample



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RICK RAMUGLIA

ONETIME INDIVIDUAL CLIENTS

11/18/02

Page 4 of 6

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-6AT #: LIMS-67597

Date Received:

11/8/02

02629814

Field Sample #: 01-INTERVALE TOPSO

Job Number: ME2808

Sample ID:

INTERVALE TOP SOIL

Sampled: 11/6/02

Sample Matrix:

SOIL

| | Units | Results | Date | Analyst | RL | SPEC L | imil | P/F |
|------------------------|--------|---------|----------|---------|------|--------|------|-----|
| | | | Analyzed | | | Ló | Hi | |
| Acenaphthene | mg/kg | ЙD | 11/08/02 | BGt. | 0.17 | | | |
| Acenaphthylena | mg/kg | ND | 11/08/02 | 8GL | 0.17 | | | |
| Anthracene | ուց/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Benzo(a)ar:th:acene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Senzo(a)pyrene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Benzo(b)fluoranthene | mg/kg | ND | 11/08/02 | BGL | 9.17 | | | |
| Berzo(g,h.i)penylene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Senzo(k)fluoranthene | mg/kg | ND | 11/08/02 | BGL . | 0.17 | | | |
| Chrysene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Dibenz(a,h)anthracene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Fluorenthene | mg/kg | ND | 11/08/02 | 8GL | 0.17 | | | |
| Fluorene | mg/kg | ND | 11/08/02 | 8GL | 3,17 | | | |
| Indeno(1,2,3-cd)pyrene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| 2-Methylnaphthalene | mg/kg | ND | 11/08/02 | 6GL | 0.17 | | | |
| Naphthalene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Phenanihrene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |
| Pyrene | mg/kg | ND | 11/08/02 | BGL | 0.17 | | | |

Analytical Method: SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GO/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

NM = Not Measured

^{* =} See end of report for comments and notes applying to this sample



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RICK RAMUGLIA

ONETIME INDIVIDUAL CLIENTS

11/12/02

Page 5 of 6

Purchase Order No.:

Project Location: INTERVALE/PINE ST. CANAL

LIMS-BAT #:

LIMS-67597

Date Received:

Field Sample #: 01-INTERVALE TOPSO

11/8/02

Job Number:

ME2808

Date

Analyzed

Şample ID :

02829814

Sampled: 11/6/02 INTERVALE TOP SOIL

Sample Matrix:

SOIL

Results

Analyst

RL

SPEC Limit

D/ ₩

Zinc

mg/kg

Units

11/11/02

Analytical Method:

SW846 3050/6010

67.8

02992 - 410 ppm

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

" = See end of report for comments and notes applying to this sample

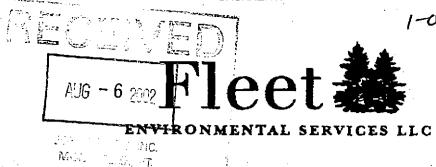
6172684874....

FLEET ENVIRONMENTAL

PAGE 01

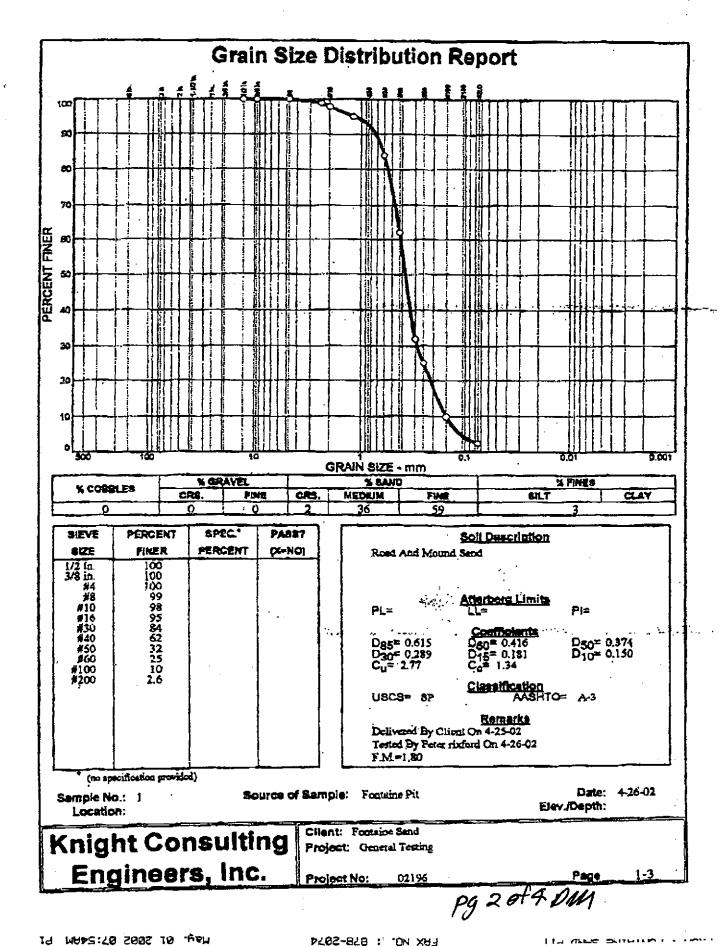
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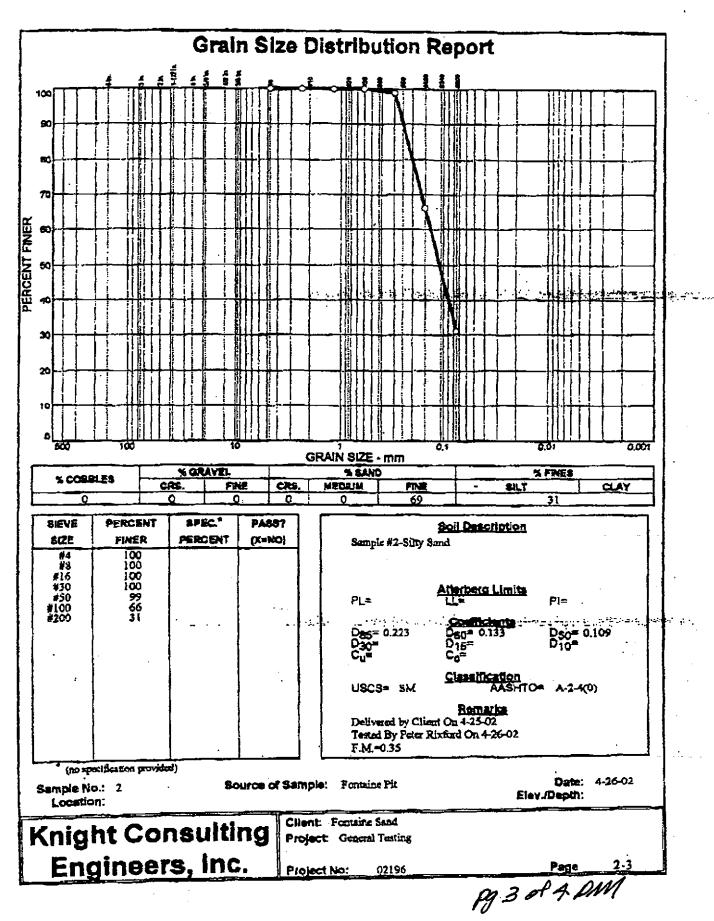
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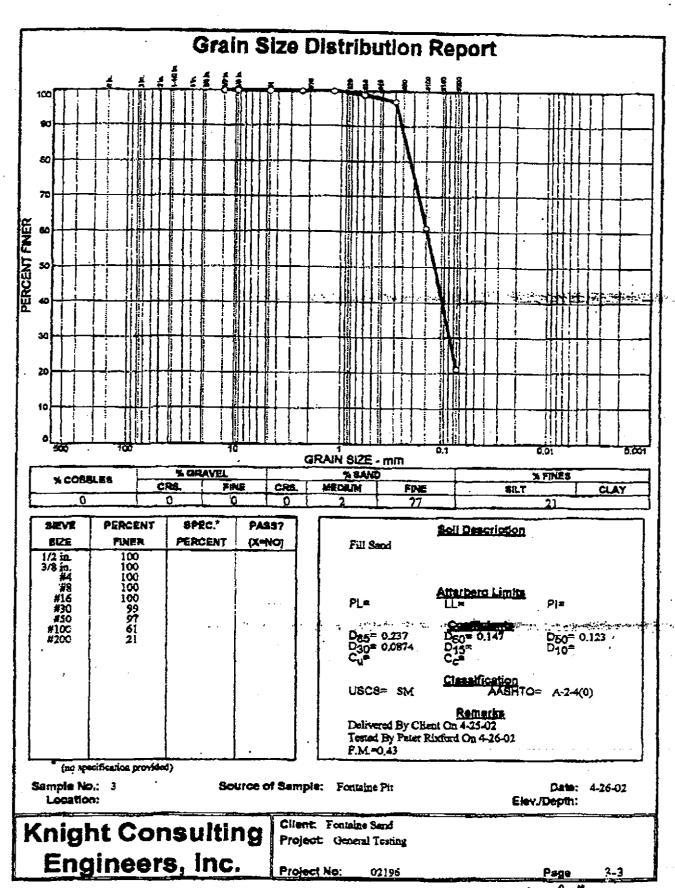


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THE JOHNSON CO., INC. 100 State Street, Suite 600 MONTPELIER, VERMONT 05602 (802) 229-4600

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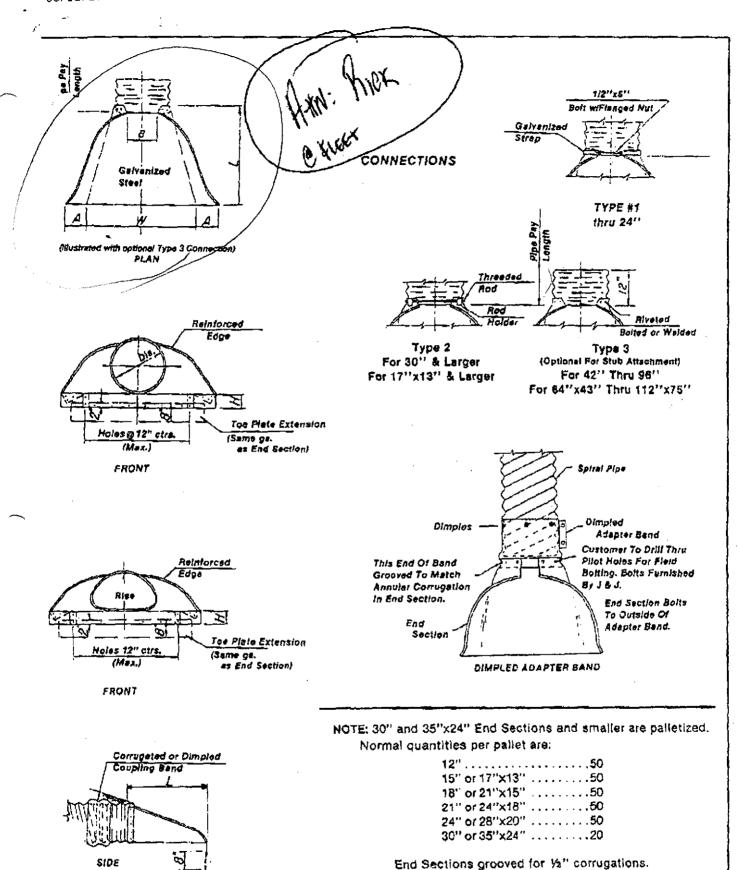
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THE JOHNSON CO., INC. 100 State Street, Suite 600 MONTPELIER, VERMONT 05602 (802) 229-4600

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| JA STEEL PLATE WE | ded to Bottom of 6'Domx9' DE GATE ON Dropwet |
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| PINE STREET CANA | L PHASE 1B |
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Perforated V-Series Geoweb® System Performance & Material Specification Summary GW20V - 100 mm (4 in) Depth

| | Property | | | alue | | | Test Method | | |
|----------------------------|--|--|---|---|--|--|--|--|--|
| | Material Composition | Polymet ~ F | Polyethylene with decaity | of 0.935 - 0.9 | 65 gicmi (58.4 | - 60.2 IMP) | ASTM D 1505 | | |
| Base Material | Calor | Glack - from | n, Other Colors | NIA | | | | | |
| Jase Ma(Er'a) | Stabilizer | Carbon black center | nt 1.5% - 2% by weight | H% | ndered arrive | ght stabilizer (MALS) eight of carrier | N/A | | |
| | Minimum ESCR | | 3 | XX 000 | | | ASTM D 1593 | | |
| | Sheet Thickness | | 1.27 mm -5% +10 | % (50 mi) -51 | 6 +1 9% } | | ASTM () 5199 | | |
| Strip Properties | Surface Treatment | Performance: The polyal that the peak friction angle perforated pleatic and a #4 shall be no fees than 85% sand in isolation when test ASTM O 5321. The quant 13.8% a 2.1% of the cell a | between the turface of 10 silica wand at 100% re of the peak friction angle ted by the direct shear m ity of perforations shall r | the letive density of the sifica athod per | horizontal re Perforations carrier. Hori 12 mm (0.50 centers shall | ne polyethylene strips shi wa of 10 mm [0.391 in] d within each rew shall be mental rows shall be slag in] relative to the hole or be 12 mm [0.50 in] from in) from the cell weld points | lameter holes. 19 mm (0.75 in) on- gered and separated outsis. Outer perfountion who strip edges and | | |
| | Call Details | Depth | Nomina) Dir | endons 116 | * | Density | Nursinal Ares 11% | | |
| | | | Longth | W | ldith | per m* (yd*) | | | |
| | GW20V | 100 mm (4 in) | 224 mm (8.2 is) | 259 mm | (10.2 ln) | 36.4 (20.9) | 289 cm² (44.8 in²) | | |
| Cell & Seam | Short-Lerm | | Coll Depth | | , | Iverage Certified Cell S | our Strongth | | |
| Properties | Seam Peel Strength | 5 | 00 mm (4 in.) | | | 1000 N (225) | ы | | |
| | Seam Hang Strength Test | A 100 mm (4,0 in) wide se environment undergoing a is per ASTM E 41 | | | | | | | |
| | Afternative Seam Hang Strength Yes! | A 100 mm (4,0 in) wide se- environment. Ambient roo | | | 0 lb) lead for X |) days prinimum in an en | nbjent room (emperature | | |
| 6 | Section Dimension | Section Width | | Section Le | ngth Range (i | Cells Long: 18, 21, 25, 2 | N, 34, 46) | | |
| Section Sec | Security Contention | . Variable | | Maximum | | | | | |
| | GW20V | 23 m (7.7 ft) to 2.6 m (9 |).2 ft) | 3.7 m (12.0 | ft) | 9 | Lå m (32.2 fl) | | |
| enilications Warranties | Geoweb® Material | Groweb® entitions are man certification and warranty in Secutionation. | | | | | | | |



GEOWEB® CELLULAR CONFINEMENT SYSTEM V-SERIES MATERIAL SPECIFICATION

Anchor Systems

ATRATE GERP Anchor

The ATRA™ GFRP Anchor shall be a pre-assembled unit consisting of the ATRA® Clip inserted onto the ATRA™ GFRP Stake so that the end of the Stake is flush with or 3 mm (1/8 in) maximum above the top of the ATRA® Clip. Prior to inserting the ATRA® Clip on the end of the stake, the stake and shall be ground or filed so it has a bevel and is free from all burrs.

ATRATH GFRP Stake

The ATRATE GFRP Stake shall be composed of glass fiber reinforced polymer with a sand-coating. Glass reinforcement content shall be 76% minimum by weight and shall be continuous longitudinal filement. The use of non-continuous filement is strictly prohibited. Polymer shall be vinyl ester, isopthalic polyester, or other matrix material. The outer surface of the Stake shall be sand coated and deformed by a helical wrep of glass. The ATRATE GFRP Stake shall have a minimum tensile strength of 655 MPa (96 ksi) per ASTM D638. The Stake shall be non-magnetic, non-conducting and corrosion resistant. The Stake diameter shall be 12-13 mm (1/2 ln). The length shall be per construction drawings, Prior to inserting the ATRAO Clip on the end of the stake, the stake end shall be ground or filed so it has a bevel and is free from all burrs.

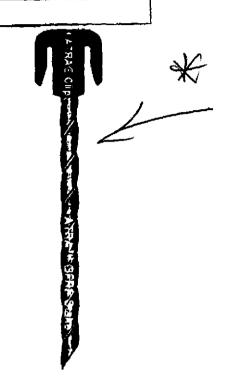


Figure 9 ATRA™ GFRP Anchor

ATRA " Anchor

The ATRAM Anchor shall be made by properly inserting the ATRAM Clip onto the ATRAM Stake so that the end of the Stake is flush with or 3 mm (1/8 in) maximum above the top of the ATRAM Clip. Prior to inserting the ATRAM Clip on the end of the stake, the stake end shall be ground or filed so it has a bovel and is free from all burrs.

Other ATRATA Stakes

- The ATRAIM Stake shall consist of straight 12-13 mm (#4) steel reinforcing rod. The Stake length shall be per construction drawings. Prior to inserting the ATRA® Clip on the end of the stake, the stake end shall be ground or filed so it has a bevel and is free from all burrs.
- 2. The ATRA™ Stake shall consist of streight 12-13 mm (#4) steel reinforcing rod hot dipped galvanized per AASHTO M-218. The Stake length shall be per construction drawings. Prior to inserting the ATRA® Clip on the end of the stake, the stake and shall be ground or filed so it has a bevel and is free from all burrs.
- 3. The ATRA™ Stake shall consist of straight 12-13 mm (½ in)

 (state metal type) fod. The Stake length shall be per construction drawings. Prior to inserting the ATRA® Clip on the end of the stake, the stake end shall be ground or filed so it has a bevel and is free from all burrs.

PAGE 12 OF 13

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GEOWEB® CELLULAR CONFINEMENT SYSTEM V-SERIES MATERIAL SPECIFICATION

Polypropylene Tendons

The polypropylene tendon shall be 3-strand twisted rope having the reference name, diameter and minimum break-strength per Table 7.

Table 7 Polyptopylene Tendon

| X |
|----------|
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| | Tendon Dia | meter / Width | n Break-strength | |
|----------------|------------|---------------|------------------|-----|
| Reference Name | mm | in | kN | lbf |
| TPP-44 | 6 dla | 0.25 dia | 4 40 | 990 |

The ATRAS CIP Restraint Pin

The ATRA® Clip shall be used as a load transfer pin within the tendoned Geoweb® system. The ATRA® Clip Restraint Pin shall transfer load from the infilled Geoweb cells to the tendon. The ATRA® Clip shall be molded from high-strength polyethylene.



Figure 8 ATRA® Clip

Specifier Choice for Tendons and Restraint Pins

The specifier shall state which tendon is to be used. Tendon strength must meet design requirements for the application. The specifier shall also state if the ATRA® Clip restraint pin is needed. Refer to THE GEOWEB SYSTEM TECHNICAL OVERVIEW documents for recommendations

Geoweb Section Anchoring Components

NOTE: All measurements are subject to manufacturing tolarances unless otherwise stated.

Anchoring Requirements

Geoweb sections, with or without tendons, shall be anchored in accordance with construction drawings. Rows of ATRA™ Anchors or stake anchors shall engage and bear against the cell walls, or engage and hold the integral tendons against the foundation soil. The size, type and distribution of ATRA™ Anchor (stake anchors) shall be in accordance with the construction drawings.

02-DEC-89

PAGE 11 0F13

VERMENT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION - BITUMINOUS CONCRETE UNIT DESIGN OF BITUMINOUS CONCRETE MOSTURES

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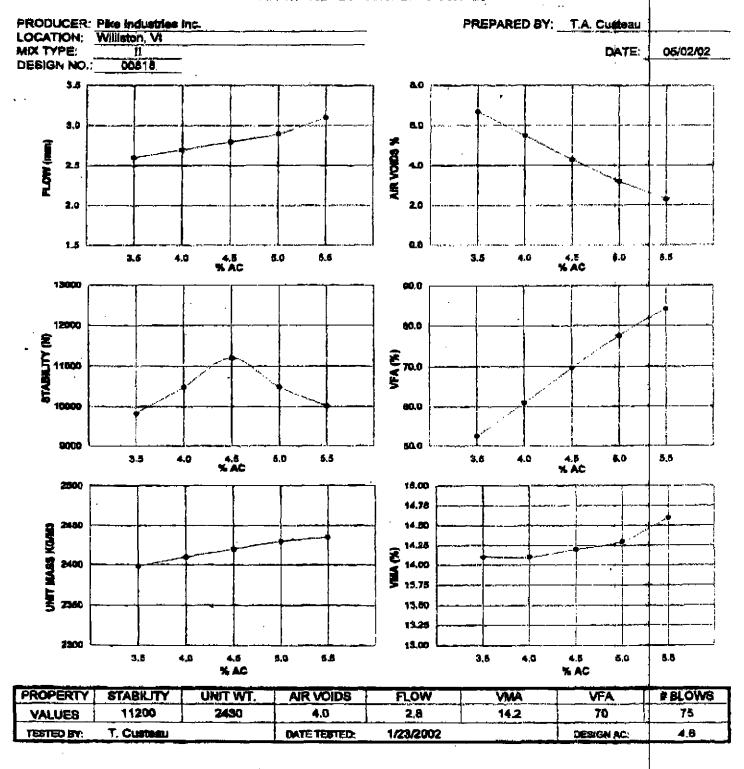
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PAGE 03

PAGE 1 OF 3

VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION BITUMINOUS CONCRETE UNIT

MARSHALL TEST PROPERTY CURVES



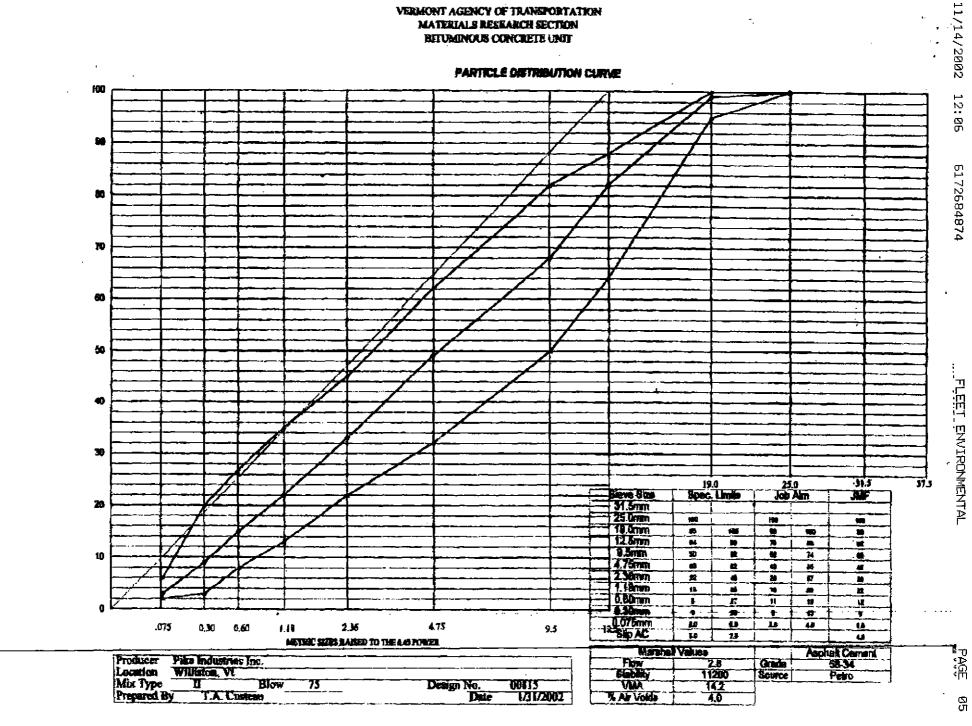
Page 2 of 3

VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION BITUMINOUS CONCRETE UNIT

MARSHALL DESIGN ANALYSIS

| PRODUC | CER Pike ind | justrice inc. | | | PREPAR | ED BY: | T.A. Cust | leau | |
|--|---------------------------------------|---------------|--------------------|--|--------------|-------------|-------------|---------|-------|
| LOCATIO | ON Willisto | n, Vt | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | DATE | 1/31/02 | |
| | SLOWS PER SIDE | 75 | MIX TYPE | П | | DĘSIGN | NO. | 00815 | |
| | PÁ | OPERTIES OF | NAX. | | | - , | WEX NUMBE | R - | |
| | | - | | | 1 | Z | 3 | 4 | 5 |
| Pb | Total Asphalt - 1 | % Total Mix | · | المراجع في المراجع الم | 3.5 | 4 | 4.5 | 5 | 5.5 |
| Pa | Total Aggregate |) | | | 96.5 | 96 | 95.5 | 95 | 94.5 |
| Gb | Asphalt Sp. Gr. | @ 25 C | | | 1.025 | 1.025 | 1.025 | 1.025 | 1.025 |
| Gmm | Maximum Sp. G | ir. Of Mix (T | -20 9) | | 2.571 | 2.550 | 2.530 | 2.511 | 2.492 |
| Ġ mb | Bulk Sp. Gr. Of | Compacted (| Mix | | 2.398 | 2.410 | 2.420 | 2.430 | 2.435 |
| Gee | Eff. Sp. Gr. Of A | gg. (100-Pb |) / [(100/G | mm) - (Pb/Gb)] | 2.720 | 2.719 | 2.718 | 2.718 | 2.718 |
| Geb | Buik Sp. Gr. Of | Total Aggreg | ube | | 2.693 | 2.693 | 2.693 | 2.893 | 2.693 |
| VMA | | | | | | 14.1 | 14.2 | 14,3 | 14.6 |
| Pa | | | | | 6.7 | 5 .5 | 4,3 | 3.2 | 2.3 |
| Pba Absortion = 100 * ((Gae-Gab) / (Gab * Gas)) * Gb | | | | | 0.38 | 0.36 | 0.35 | 0.35 | 0.35 |
| Pbe Eff. AC Content = Pb - ((Pbs/100) * Ps) | | | | 3,13 | 3.65 | 4,17 | 4.87 | 5.17 | |
| · · · · · · · · · · · · · · · · · · · | STABI | LITY CORRE | ECTED (N | ewtons) | 9830 | 10500 | 11205 | 10500 | 10010 |
| | | FLOW | | | 2.6 | 2.7 | 2.8 | 2.9 | 3.1 |
| CO | NSTITUENT | % COLD | BULK | | ulk Specifi | ic Gravity | Gsb = 10 | nv. | |
| | MATERIAL | | SP.GR. | | dir obeciii | C STATE | - 100 - 100 | | |
| | Essex | 5 | | % used / bulk = | 5 / | 2.648 = | 1.888 | | |
| FINE | WSS | 29 | | % used / bulk = | 29 / | 2.883 = | 10,809 | .] | |
| AGG. | | | | % used / bulk = | 1 | • | | | |
| | | | | % used / bulk = | | | | • | |
| .* | 9.5mm | 14 | 2.721 | | . — | · | | | |
| COARSE | 12.5mm | 14 | 2.722 | % used / bulk = | 14 / | 2.722 = | 5.143 | | |
| AGG. | 19mm | 23 | 2.718 | % used / bulk = | 23 / | 2.718 = | 5.462 | | |
| | RAP | 15 | 2.639 | | | | - | | |
| | | 100 | | | | | 37,131 | Į, | |
| l I | | | | _ | · Geb = | | 2.693 | · | |
| | · · · · · · · · · · · · · · · · · · · | | ·/· | | | | | | |

VERMONT AGENCY OF TRANSPORTATION **MATERIALS RESEARCH SECTION** BETUMINOUS CONCRETE UNIT



N. 49.

VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION - BITUMINOUS CONCRETE UNIT DESIGN OF BITUMINOUS CONCRETE MOTURES

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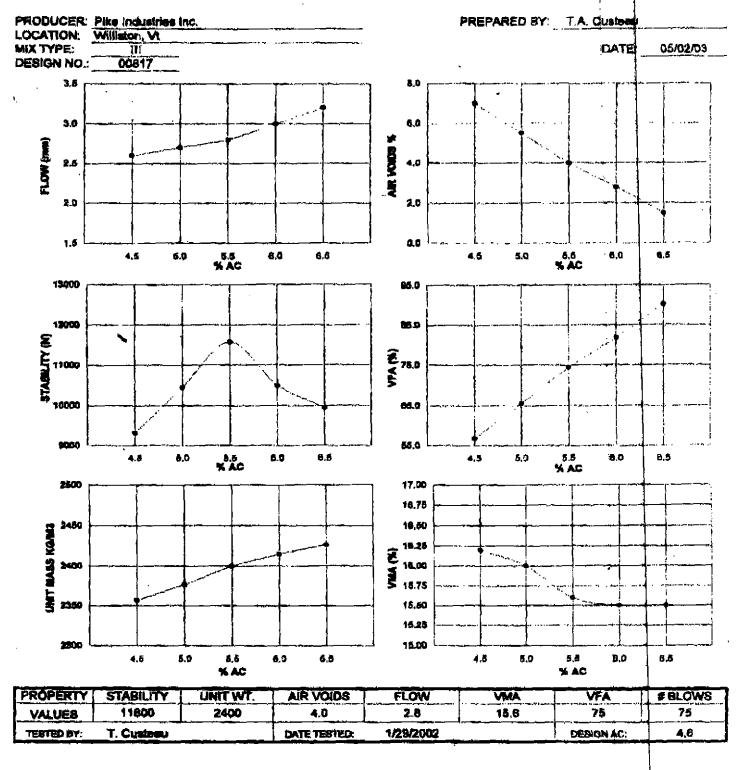
| Project | Name and | Number | : Man | | | | | | · | | | | | , |
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| | | | <u></u> | _ | Sock | p ile G ree | antions - | % Pag | ibra | | | | | |
| Sies (rus) | % Used | | 37.5 | 25,0 | (9.0 | (2.5 | 9.5 | 4.75 | 2.36 | 1,18 | 0.600 | 0.300 | 0.075 | AC |
| Sasa | 5 | | | | | | حدر | 98 | 95 | 81 | 775 | 36 | 7.5 | |
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| 95 | 7 | | | | | حدار | 99 | Z 5 | 5 | 1 | 1 | / | | |
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| tion and | AC COM | | 37.5 | 25,0 | 19.0 | 125 | 9.5 | 4.75 | 2.36 | 1.18 | 0.600 | 0.300 | 0,07 | |
| And Male Assemble | 46 0.9 | 55 | | | mo. | 99 | 82 | 65 | 45 | 28 | 19 | 1 | 3-4 | . |
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PAGE 1 OF 3

VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION **BITUMINOUS CONCRETE UNIT**

MARSHALL TEST PROPERTY CURVES



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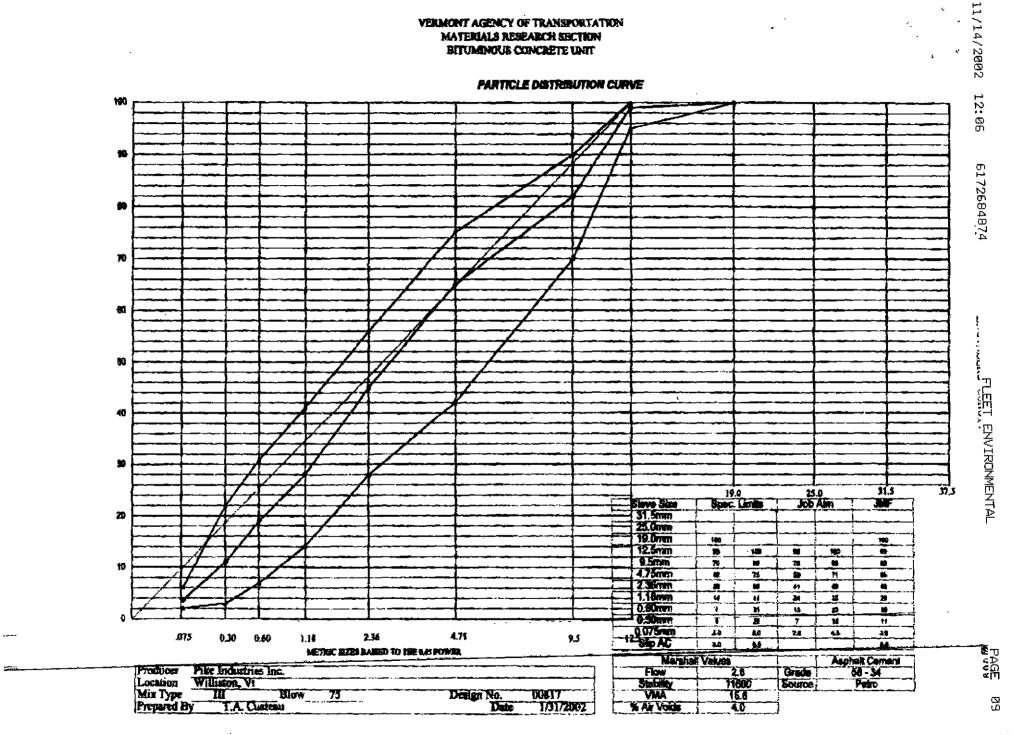
Page 2 of 3

VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION BITUMINOUS CONCRETE UNIT

MARSHALL DESIGN ANALYSIS

| PRODUC | | anatilêr ivc | | | PREFAR | GU DI. | | · · · · · · · · · · · · · · · · · · · | |
|---|--|---------------|------------|---------------------------------------|-------------|--------------------|-----------|---------------------------------------|----------------|
| LOCATIO | Willisto NC | n, Vt | | | | | DATE | 1/31/02 | |
| | BLOWS PER SIDE | 75 | MIX TYPE | III | | DESIGN | NO. | 00817 | ,~ |
| | | OPERITES OF | MOX | | [_ | 1 | AIX NUMBE | | · - |
| | | | | · · · · · · · · · · · · · · · · · · · | 1 | 2 | 3 | 4 | 5 |
| Pb | Total Asphalt - | % Total Mix | | | 4,5 | 5_ | 5.5 | 6 | 6.5 |
| Ps | Total Aggregate | | | | 95.5 | 95 | 94.5 | 94 | 93.5 |
| Gb_ | Asphell Sp. Gr. | @ 25 C | | - | 1.025 | 1.025 | 1.025 | 1.025 | 1.025 |
| Gmm | Maximum Sp. C | or Of Mix (T | -209) | | 2.535 | 2.516 | 2.501 | 2.485 | 2.465 |
| Gmb | Buik Sp. Gr. Of | Compacted I | Mix | | 2.357 | 2.377 | 2.400 | 2.415 | 2.427 |
| Gse | Eff. Sp. Gr. Of | Agg. (100-Pb) | / [(100/3: | nm) - (Pb/Gb)] | 2.724 | 2.725 | 2.730 | 2.734 | 2.732 |
| Geb | Bulk Sp. Gr. Of | | | | 2.687 | 2.687 | 2.687 | 2.687 | 2.687 |
| VMA | 100 - ((Gmb * P | e) / Geb) | | | 16.2 | 16.0 | 15.6 | 15.5 | 15.5 |
| Pa | % Air Voids = 100"(Gmm - Gmb) / Gmm | | | | 7.0 | 5.5 | 4.0 | 2.8 | 1.5 |
| Pha | Absortion = 100 * ((Ges-Gsb) / (Geb * Gse)) * Gb | | | | | 0.53 | 0.60 | 0.66 | 0.53 |
| Pbs Eff. AC Content = Pb ~ ((Pbs/100) * Ps) | | | | | 4.00 | 4.50 | 4.93 | 5.38 | 5.91 |
| | STABILITY CORRECTED (Newtons) | | | | 9320 | 10450 | 11580 | 10500 | 9950 |
| | | FLOW | (mm) | 1 | 2.6 | 2.7 | 2.8 | 3.0 | 3.2 |
| CO | NSTITUENT | % COLD | BULK | A: | dk Specif | ic Gravity | Geb = 10 | D/A | A. 14 |
| | MATERIAL | FEED | SP.GR. | | | | | | |
| | Essex | 5 | 2.648 | % used / bulk + | 5 / | 2.648 = | 1.888 | , | |
| FINE | WSS | 47 | | % used / bulk = | | | | | |
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| | | | | % used / bulk = | | | | | |
| | 9.5mm | 7 | 2.721 | % used / bulk = | | | | | |
| COARSE | | 26 | | | | 2.722 = | | | |
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VERMONT AGENCY OF TRANSPORTATION **MATERIALS RESEARCH SECTION** BITUMINOUS CONCRETE UNIT



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JOHNSON CO. Fanvironmental Services LLC MONTPELIER, VE arring the confidence of cur customers by consistently providing reliable and cost effective service."

| TO: 7001 | FROM: Rick |
|---------------------|--|
| COMPANY; | DATE: 4/11/03 |
| FAX NUMBER: | TOTAL PAGES (INCLUDING COVER): |
| RE: | , |
| Durgent Dreply asap | □ PLEASE COMMENT □ FLEASE REVIEW □ FOR YOUR INFORMATION. |
| NOTES/COMMENTS: | |
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[☐] Finance/HR:



S.T. GRISWOLD & COMPANY, INC.

193 Industrial Avenue P.O. Box 849 Williston, Vermont 03493 802-638-0201

April 11, 2003

Fleet Environmental 935 East First St. South Boston, Mass. 02127

Attn: Rick

Her Pine Street Berne Conel

Dear Sir or Madem:

I am submitting the following mix design for approval:

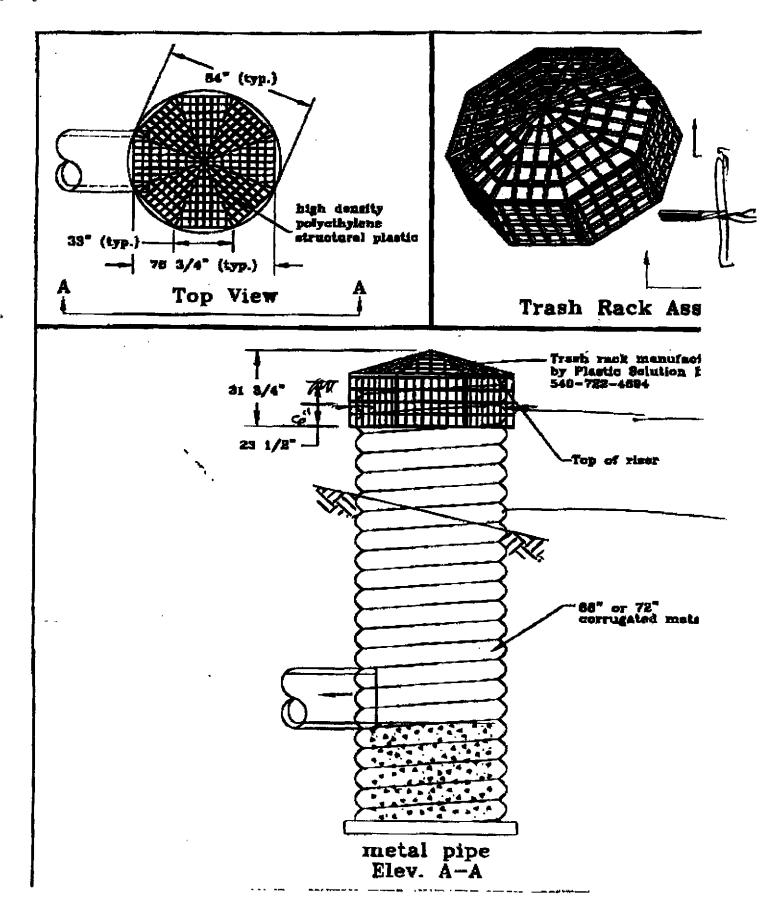
| PUMPABLE PLOWABLE FILL | PLANT: | MITTISLOV |
|------------------------|--------|-----------|
| Type I comment | 423 | lb |
| Water | 385 | 16 |
| Concrete sand | 2500 | 1b |
| Micro-Air | 3.0 | oz/CY |

Very truly yours,

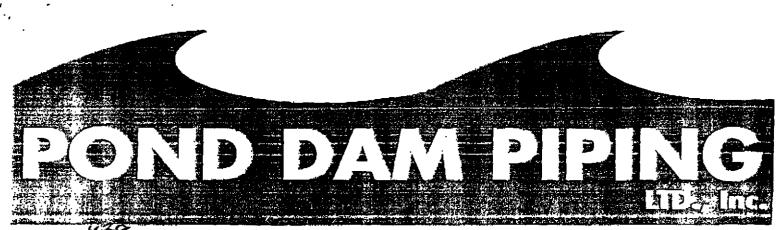
Todd Nelson

Quality Control Manager

| PINE STREET CANAL PHASE 1B | | | | | | | | |
|----------------------------|---|--|--|--|--|--|--|--|
| PROJECT SUBMITTAL FORM | | | | | | | | |
| | | | | | | | | |
| Description | Specification Number | | | | | | | |
| Trash Rack | Drawing 3 of 8 - Cross Section and Details Area 7 Cap | | | | | | | |
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| Johnson Company Review | | | | | | | | |
| Acceptable AMMM | Date 8/14/03 | | | | | | | |
| Acceptable with Revisions | Date | | | | | | | |
| Rejected/Re-Submit | Date | | | | | | | |

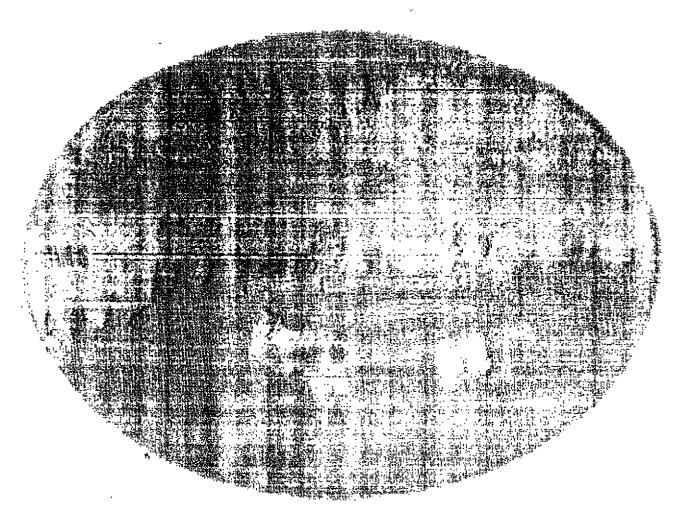


| PINE STREET CANAL PHASE 1B | | | | | | | | | |
|----------------------------|--|--|--|--|--|--|--|--|--|
| PROJECT SUBMITTAL FORM | | | | | | | | | |
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| Description | Specification Number | | | | | | | | |
| D | Devide of a Conflict a Details | | | | | | | | |
| Drop-Inlet Valve | Drawing 2 of 8 - Profiles & Details Proposed Area 7 Culverts | | | | | | | | |
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| Johnson Company Review | | | | | | | | | |
| Acceptable AMM MIMMO | 2/14/03 | | | | | | | | |
| | Date 7/11/03 | | | | | | | | |
| Acceptable with Revisions | Date | | | | | | | | |
| Rejected/Re-Submit | Date | | | | | | | | |



Phone: (\$12) 742-0003 Toll Free: (800) 333-2611

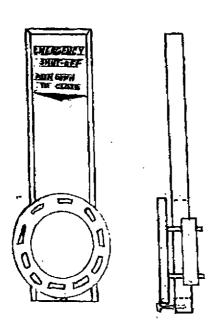
Fax: (800) 589-6703



Call us for all of your accessories

1998 8th STREET . MACON, GEORGIA 81201 . (912) 742-0000

SPILL CONTROL / EMERGENCY CUT-OFF



EMERGENCY CUT-OFF

The special emergency shut off valve was designed to meet the needs for a fast acting, low head shutoff gate for use as an emergency shut off for hazardous material spills. Will fasten to PVC, corrugated metal or corrugated polyethylene pipe.

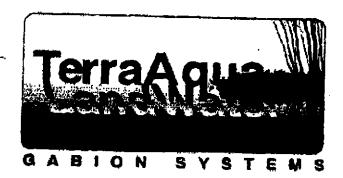
Available in sizes 8" to 24"

Call for Prices.



J-B

| | PINE STREET CANAL PHASE 18 | | |
|---------------------------|--|--|--|
| PROJECT SUBMITTAL FORM | | | |
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| De | scription | Specification Number | |
| | | | |
| Reno Mattresses | | Section 13553 - ALL | |
| | | | |
| / | (| | |
| Wring tas | eres 5-B | | |
| | | ANO DEMEM | |
| | SHUP DKA | VING REVIEW | |
| | No Exception Taken | Make Corrections Noted | |
| | Revise and Resubmit | Comments Attached | |
| | | of general conformance with the | |
| | Information given in the cont | and general compliance with the act documents. The contractor is | |
| | responsible for confirming an sions and performing his work | correlating all quantities and dimen- | |
| · | THE JOHNSON | | |
| | Nata 9/18/02 B | (1) (3) | |
| | Uate 7/18/06 B | 1 | |
| Johnson Company Review | | | |
| | - | | |
| Acceptable | | Date | |
| Acceptable with Revisions | | Date | |
| Rejected/Re-Submit | | Date | |



TERRA AQUA RENO MATTRESS SPECIFICATION GALVANIZED

All mattress material is manufactured according to ASTM 975-97 guidelines for Double Twissed Hexagonal mesh.

GENERAL DESCRIPTION:

The Terra Aqua Reno mattress is a mattress shaped container manufactured from heavily galvanized wire to form a flexible and effective surface protection to defend against erosion and scouring. The flexible wire mesh will accommodate significant deformation without failure. The base and sides of the Reno Mattress are made of a single sheet of wire mesh (main panel). Partition panels (diaphragms) are made of the same wire mesh as the main panel and are attached to the base of the main panel dividing the Reno Mattress Into 3 foot cells. The lid is formed either by a single sheet or in rolls of a specified length from the same wire as is in the main panel.

MESH:

The mesh shall be weven into a hexagonal pattern with the joints formed by twisting each pair of wires through three and a half turns. Because of this appearance, the joints are often termed triple twisted. The mesh opening shall be hexagonal in shape and uniform in size measuring 21/2 inches by 31/4 inches.

WIRE:

All wire used in the fabrication of the Reno Mattress and in the lacing operations shall conform to Federal Specification QQ-W-461H, Class 3, Finish 5, soft, and have an average tensile strength in accordance with the current ASTM A 641, Table 2, measured before fabrication of the netting. The nominal diameter of the wire used in the fabrication of the netting shall be 0.0866 inches minimum, subject to diameter tolerance in accordance with the current ASTM A 641, Table 3.

ELONGATION OF WIRE:

Tests shall be conducted on the wire before fabrication on the Reno Mattress on a *** sample 12 inches long. Elongation shall not be less than 12%.

page 1

Mattress Specification (galvanized)

ZINC COATING (GALVANIZING):

All wire used in the fabrication and construction of the gabions shall be galvanized according to ASTM A 641, Table 1. The minimum weight of the zinc coating shall be according to the table following when tested in accordance with ASTM A 90.

Description

Nominal Diameter of Wire

Minimum Weight of Coating

Mesh and Lacing

0.0866 inches (2.2mm) minimum

0.70 ozs/sq ft

Selvedge

0.106 inches (2.7mm) minimum

0.80 ozs / sq ft

Adhesion of the zinc coating to the wire shall be capable of being wrapped in a close helix at a rate not exceeding 15 turns per minute around a cylindrical steel mandrel having a diameter 3 times the nominal wire diameter being tested. After the wrap test is completed, the wire shall not exhibit any cracking or flaking of the zinc doating to such an extent that any zinc can be removed by rubbing with bare fingers.

SELVEDGES:

All edges of the Reno Mattress including end panels and the diaphragms, shall be mechanically selvedged in such a way as to prevent unraveling of the mesh and to develop the full strength of the mesh. The wire used for the selvedge shall have a diameter greater than that of the wire used to form the mesh.

DIMENSIONS OF ZINC COATED RENO MATTRESS:

The standard Reno Mattress has the following nominal dimensions

| Length | Width | Thickness | No. of | Area | Capacity |
|---------------|--------|----------------------|--------------|------------|-----------------------|
| (Feet) | (Feet) | (Inches) | Compartments | (Sq. Yds.) | Cubic Yds. |
| 9'0" 12'0" | 6'0" | 9" or 6" 9" or 6" | 3 4 | 8 | 1.5 (1) 2.0 (1.33) |

*Non-Standard Sizes Available

The length of the mattress shall be a multiple of the ceil length (3 feet)

LACING WIRE:

Sufficient lacing and connecting wire shall be supplied with the mattress for all wiring operations. The nominal diameter of lacing wire shall be 0.0866 inches minimum.

page 2

Mattress Specification (galvanized)

Alternate fasteners shall have an inside area of 3/4 square inch when properly closed. Properly closed fasteners shall be capable of confining a minimum of four (4) selvedge wires while producing a joint strength of 1400 ib. per linear foot. Fasteners shall not be used to confine more wires than for what they are tested.

* Tiger-Tite Interiocking Festeners as manufactured by Jackson Clip Company are acceptable fasteners.

DIAPHRAGMS:

According to engineering requirements the Reno Mattress incorporates diaphragms to form cells having a nominal length of three feet.

MANUFACTURING TOLERANCES FOR TERRA AQUA RENO MATTRESS:

A tolerance of $\pm 5\%$ on the width and on the length of the Reno Mattress and a tolerance of $\pm 10\%$ on the height shall be permitted.

STONE SIZE:

The Terra Aqua Heavy Duty Reno Mattress was designed specifically to accommodate stone size of 3 to 6 inches (75 -105mm). Only hard durable stone shall be used as mattress fill.

INSTALLATION / PLACEMENT:

On channel slopes, the mattress shall be placed perpendicular to the flow in the channel with the shorted dimensions of the diaphragm going up and down the slope. On the channel bed, the mattress shall be placed so the flow runs parallel with the short dimension of the mattress compartment, while the width of the mattress runs across the channel bed. An approved corner closure tool shall be used to adjoin adjacent mattresses to insure a tight, neat seam and minimize mattress wire joint deformation.

Terra Aqua Gabions reserves the right to amend these specifications without notice. Specifiers are requested to confirm validity of the specification they are using. Reference TAHD/RM/93,

Marriess Specification (gaivanized)

| BNIE ATDEET AAL | U DUAGE 4D | | | |
|--|--|--|--|--|
| PINE STREET CANAL PHASE 1B | | | | |
| PROJECT SUBMITTAL FORM | | | | |
| 7 NOCEOT GODINI | TALIONI | | | |
| | | | | |
| Description | Specification Number | | | |
| | | | | |
| COIR Fiber Logs | AS PER DRAWINGS | | | |
| | | | | |
| | Sheet 6 of 8 Detail (36) | | | |
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| Assembly with Decision | | | | |
| Acceptable with Revisions | Date | | | |
| Rejected/Re-Submit | Date | | | |

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INTERNATIONAL WASTE TRANSPORT

P.O. BOX 454 11 CEDAR AVE., WARETOWN, NJ 08758 (609) 971-8810

FAX (609) 971-8805

E-Mail:CARGOGUARD@aol.com Website: www.iwtcargoguard.com

100% Coir Fiber Log

Ikex Inc. certifies this blanket to meet the following specifications

Properties:

Weight

Composition

Tensile Strength

5.2 LBS Per linear foot

100% Coconut Fibers

78lbs / Dry 73lbs/ Wet

Netting

Netting Mesh Size

100% Coir Fiber Twine

5 X 5 cm

Roll Width

Roll Length

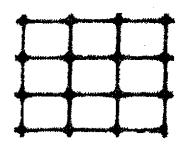
12" (30 cm)

10' (3.27 m)

Velocity

12.5 Feet / Second

COORTICEORT 10:77 PROF 10:11



TENSAR

1405 Third Avenue Suite #8 Spring Lake, NJ 07762 Telephone (732) 449-1799

EARTH TECHNOLOGIES, INC.

Facsimile Transmission

| Date: January 5 , 2003 | Number of pages to follow: |
|---|---|
| TO: Name. Rick | FROM: Name: <u>Terry Sheridan's Office</u> |
| Company: | Return Fax (732) 449-1370 |
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Product Specification - Structural Geogrid BX1500

Tensar Earth Technologies, Inc. reserves the right to change its product specificallons at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in secu instance. Please contact Tensar Earth Tuchnologies, Inc. at 800-836-7271 for assistance

The structural geogrid shall be an integrally formed grid structure manufactured of a stress resistant high density polyethylene material with molecular weight and molecular characteristics which impart. (a) high resistance to loss of load capacity or structural integrity when the geogrid is subjected to mechanical stress in installation; (b) high resistance to determation when the geogrid is subjected to applied force in use; and (c) high resistance to loss of load capacity or structural integrity when the geogrid is subjected to long-term environmental stress.

The structural geogrid shall accept applied force in use by positive mechanical interlock (i.e. by direct mechanical keying) with. (a) compacted soil or construction fill materials; (b) contiguous sections of itself when overlapped and embedded in compacted soil or construction fill materials; and (c) rigid mechanical connectors such as bodkins, pins or hooks. The structural geogrid shall possess sufficient cross sectional profile to present a substantial abutment interface to compacted soil or particulate construction fill materials and to resist movement relative to such materials when subject to applied force. The structural geogrid shall possess sufficient true initial modulus to cause applied force to be transferred to the geogrid at low strain levels without material deformation of the reinforced structure. The structural geogrid shall possess complete continuity of all properties throughout its structure and shall be suitable for reinforcement of compacted soil or particulate construction fill materials to improve their long term stability in structural load bearing applications such as earth retention systems. The structural geogrid shall otherwise have the following characteristics:

Product Type: Load Transfer Mechanism: Integrally Formed Structural Geogrid

Positive Nechanical Interlock

Product Properties

| Licator Liabercas | | | |
|---|-----------------|------------------------|-----------------------------|
| Index Properties | Units | MD Values ¹ | XMD Values |
| Aperture Dimensions | mm (in) | 25 (1.0) | 30.5 (1.2) |
| Minimum Rib Thickness² | mm (in) | 1.78 (0.97) | 1.78 (0.07) |
| Load Capacity | | | |
| True Initial Modulus in Use³ | kN/m(lb/ft) | 500 (34,270) | 625 (42,840) |
| True Tensile Strength @2% Strain³ | κN/m(lb/ft) | 8.5 (580) | 10. 0 (6 9 0) |
| True Tensilo Strength @5% Strain³ | kN/m(lb/ft) | 17.5 (1,200) | 20.0 (1,370) |
| Structural integrity | | | |
| Junction Efficiency[†] | % | 93 | |
| Flexuret Stiffness ⁵ | mg- cm | 2,000,000 | |
| Aperture Stability⁶ | kg-cat/deg | 7.5 | |
| Durability | | | |
| Resistance to Installation Damage⁷ | %SC / %SW / %GP | 91/91/85 | |
| Resistance to Long Term Degradation⁸ | % | 100 | |
| Carbon Black Content | u/ ₀ | 2.0 | |
| | | | |

Dimensions and Delivery

The structural geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 4.0 meters (13.1 feet) in width and 50.0 meters (164 feet) in length. A typical truckload quantity is 150 rolls. On special request, the structural geogrid may also be custom out to specific tengths or widths to suit sits specific engineering designs.

Notes

- Unless indirated otherwise, values shown are minimum average roll values determined in accordance with ASTM 0-4759. Brief descriptions of test procedures are available on request from Tensar Earth Technologies, Inc.
- 2. Nominal Dimensions
- 3 True resistance to elongation when initially subjected to a load measured via ASTM D6637 without deforming test materials under load before measuring such resistance or employing "secont" or "offset" langent methods of measurement as as to everstate tensile properties.
- Load transfer capability measured via GRI-GG2-87. Expressed as a percentage of ultimate tensile strength.
- 5. Resistance to bending force measured via ASTM 0-5732-95, using specimens of width two ribs wide, with transverse ribs out flush with exterior edges of longitudinal ribs (as a "ladder"), and of length sufficiently long to enable measurement of the overlang dimension. The overall Elexural Striffness is calculated as the square root of the product of machine-and cross-machine-direction Flexural Striffness values.
- Resistance to in-plane rotational movement measured by applying a 20 kg-cm moment to the central function of a 9 inch x 9 inch x perimen restrained at its perimeter (U.S. Army Corps of Engineers Multiodology for measurement of Torsional Rigidity).
 Resistance to loss of load capacity or structural integrity when subjected to mechanical installation stress in dayby such (SC), well graded sand.
- Resistance to loss of load capacity or structural integrity when subjected to mechanical installation stress in dayby stant (SC), well graded state
 (SW), and crushed stone classified as poorly graded gravel (GP). The geogrid shell be sampled in accordance with ASTM D5818 and load
 capacity shall be measured in accordance with ASTM D5637.
- 8. Resistance to loss of load capacity or structura, integrity when subjected to chemically aggressive environments measured via EPA 9090 inversion testing.

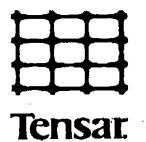
Tensar Earth Technologies, Inc. 5883 Glanridge Drive, Suite 200 Atjanta, Georgia 30328-5363 (800) 836-7271

March 15, 2002 - This product specification supersedes all prior specifications for the product described above and is not applicable to any products shipped to jubiste prior to March 15, 2002.

Fleet Environmental Services LLC "Earning the confidence of our customers by consistently providing

reliable and ost efective services

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| · | JOHNSON CO. INC. |
| | MONTPELIER, VI |
| ротате Headquarters | Telephone: (781) 815-110 |
| York Avenue | Fax: |
| dolph, MA 02368 | ☐ Executive: (781) 986-350 |
| - Authors against a marine | ☐ Finance/HR: (781) 815-1104 |
| | D. Sales/Est: (781) 815-1102 |



January 16, 2003

The Tensar Corporation

1210 Citizens Parkway Morrow, Georgia 30260 Tol. 770 • 988 • 3255

FLEET ENVIRONMENTAL SERVICES 750 YORK AVE RANDOLPH, MA 02368

6172684874

Reference:

TENSAR ORDER NUMBER: TET 11947 3823 ** PURCHASE ORDER NUMBER:

BILL OF LADING NUMBER: TMP 44621

SOLD TO:

SHIP TO:

20933-HQ

20933-BURLINGTON

FLEET ENVIRONMENTAL SERVICES

FLEET ENVIRONMENTAL SERVICES

750 YORK AVE

585 PINE STREET

C/O BURLINGTON ELECTRIC LIGHT **BURLINGTON, VT 05401**

RANDOLPH, MA 02368

This is to certify that Tensar BX420060 Geogrid as manufactured by the Tensar Corporation for the project referenced above has been manufactured and tested in accordance with the Tensar Quality Assurance Program.

The Tensar Corporation structural Geogrid meets the characteristics and properties per the enclosed material property data sheet dated March 2002, as directed by the Tensar Earth Technologies, Inc. design-engineering group. For technical support contact 1-800-TENSAR 1.

Sincerely,

David Hall

Quality Assurance Laboratory Manager

6172684874

Product Specification - Structural Geogrid BX4200

The structural geogrid shall be an integrally formed grid structure manufactured of a stress resistant high density polyethylene material with molecular weight and molecular characteristics which impart; (a) high resistance to loss of load capacity or structural integrity when the geogrid is subjected to mechanical stress in installation; (b) high resistance to deformation when the geogrid is subjected to applied force in use; and (c) high resistance to loss of load capacity or structural integrity when the geogrid is subjected to long-term environmental stress.

The structural geogrid shall accept applied force in use by positive mechanical interlock (i.e. by direct mechanical keying) with; (a) compacted soil or construction fill materials; (b) contiguous sections of itself when overlapped and embedded in compacted soil or construction fill materials; and (c) rigid mechanical connectors such as bodkins, pins or hooks. The structural geogrid shall possess sufficient cross sectional profile to present a substantial abutment interface to compacted soil or particulate construction fill materials and to resist movement relative to such materials when subject to applied force. The structural geogrid shall possess sufficient true initial modulus to cause applied force to be transferred to the geogrid at low strain levels without material deformation of the reinforced structure. The structural geogrid shall possess complete continuity of all properties throughout its structure and shall be sultable for reinforcement of compacted soil or particulate construction. Ill materials to improve their long term stability in structural load bearing applications such as earth retention systems. The structural geogrid shall otherwise have the following characteristics:

Product Type: Load Transfer Mechanism: integrally Formed Structural Geogrid Positive Mechanical Interlock

| P | rod | uct | Properties |
|---|-----|-----|------------|
| | | _ | |

| FlodoctFlobethee | | _ | _ |
|---|-----------------|--------------|--------------|
| Index Properties | Units | MD Vaiues¹ | XMD Values' |
| Aperture Dimensions ² | mm (in) | 33 (1.3) | 33 (1.3) |
| Minimum Rib Thickness² | mm (ln) | 0.76 (0.05) | 0.76 (0.05) |
| Load Capacity | , , | | , - |
| True Initial Modulus in Use³ | kN/m(lb/ft) | 280 (19,190) | 420 (28,790) |
| True Tensile Strength @2% Strain³ | kN/m(lb/ft) | 5.5 (380) | 2.4 (510) |
| True Tensile Strength @5% Strein³ | kN/m(lb/ft) | 10.5 (720) | 14.6 (1,000) |
| Structural Integrity | , , | | |
| ■ Junction Efficiency ⁴ | % | 93 | |
| Flexural Stiffness⁶ | mg-cm | 750,000 | |
| Aperture Stability⁶ | kg-cm/deg | 4.8 | |
| Durability | • - | | |
| Resistance to Installation Damage | %SC / %SW / %GP | 90 / 83 / 75 | |
| Resistance to Long Term Degradation⁸ | % | 100 | |

Dimensions and Delivery

The structural geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.0 meters (9.8 feet) or 4.0 meters (13.1 feet) in width and 50.0 meters (164 feet) in length. A typical truckload quantity is 260 rolls. On special request, the structural geogrid may also be custom cut to specific lengths or widths to sult site specific engineering designs,

- 1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D-4759. Brief descriptions of test procedures are given in the following notes. Complete descriptions of test procedures are available on request from Tensar Earth Technologies, Inc.
- Nominal Dimensions.
- True resistance to elongation when initially subjected to a load measured via ASTM D6637 without deforming test materials under load before measuring such resistance or employing "secant" or "offset" tangent methods of measurement so as to overstate tensile properties.
- Load transfer capability measured via GRI-GG2-67. Expressed as a percentage of ultimate tensile strength.
- Resistance to bending force measured via ASTM D-6732-95, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a "ladder"), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Stiffness is calculated as the square root of the product of machine-and cross-machine-direction Flexural Stiffness values,
- 6. Resistance to in-plane rotational movement measured by applying a 20 kg-cm moment to the central function of a 9 inch x 9 inch appecimen restrained at its perimeter (U.S. Army Corps of Engineers Methodology for measurement of Torsional Rigidity).
- 7. Resistance to loss of load capacity or structural Integrity when subjected to mechanical installation stress in clayey sand (SC), well graded sand (SW). and crushed stone classified as poorly graded gravel (GP). The geogrid shall be sampled in accordance with ASTM D5818 and load capacity shall be measured in accordance with ASTM D6637.
- 8. Resistance to loss of load capacity or structural Integrity when subjected to chemically aggressive environments measured via EPA 9090 immersion testing.

Tensar Earth Technologies, Inc. 5883 Glennidge Drive, Sulte 200 Atlanta, Georgia 30328-5363 (BOO) 836-7271

Merch 15, 2002

This product specification supersedes all prior specifications for the product described above and is not applicable to any products shipped to jobsite prior to March 15, 2002.

PAGE

The Tensar Corporation Quality Control Test Data

Product Type: Biaxial.Grid

Date Prepared: 2003 Jan 16 11:54am Page: 1

DON: QA-BXQC-CERT Rev.Date: 08/07/96

Product Code BX420060

Customer Name FLEET ENVIRONMENTAL SERVICES

Project Name BURLINGTON SLUDG

Bill of Lading TMP 44621 Sales Order Number TET 11947

Purchase Order Number 3823 **

Finished Product QC Testing

| - | | Number of Rolls Shipped | (kN/m) | Tensile © 24 Strain (kN/m) ASTM D6637 | Strain (kN/m) | (kN/m) | Black (%) | Junction Strength (kN/m) GRI-GG2 | |
|----------|-------|----------------------------|--------|--|-------------------|--------|--------------|---|--|
| 33707073 | 33707 | 20 | 21.7 | 9.0 | 15.B | 453.3 | 1.00 | 21.1 | |

Note: ASTM D 6637 Supercedes GRI-GG1 and astm D 4595 for geogrids

For Tensar Geogrids, results obtained following ASTM D 6637 are equivalent to results obtained following ASTM D 4595 (modified) and GRI-GGI.

1 kN/m = 69.54 lbs/ft

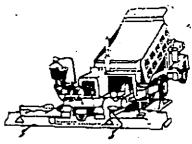
David Hall

Quality Assurance Laboratory Supervisor

802,655 7162

F.O. BOX 155 WINOOSKI VERMONT 05404 (802) 655-1270 FAX; (802) 655-0320

FRANK W. WHITCOMB CONSTRUCTION CORP.



FRANK W. WHITCOMB 1910-1977

To: Rick Ramuglia - Fleet Environmental

From: Mike Bailey Date: August 2, 2002

RE: Pipe Bedding Material

Sieve Size

FWW Product #48 - Washed Stone Screenings

BEDDING MATERIAL

Percent Passing Sieve Size Specification

| 2" | 100 | 100 |
|-----------------|-----|--------|
| 1 1/2" | 100 | 90-100 |
| ½"· | 100 | 70-100 |
| #4 [†] | 94 | 60-100 |
| #100 | 10 | 0-20 |

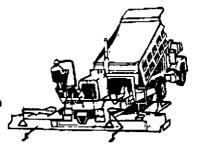
FWW Product #48

This is a manufactured fine aggregate, totally free of deleterious material. Please call me at 655-2989, Ext. 23 with any questions.



P.O. BOX 155 WINOOSKI VERMONT 05404 (802) 655-1270 FAX: (802) 655-0320

FRANK W. WHITCOMB CONSTRUCTION CORP.



FRANK W. WHITCOMB 1910-1977

To: Rick Ramuglia - Fleet Environmental

From: Mike Bailey Date: August 2, 2002

RE: Pipe Bedding Material

FWW Product #48 – Washed Stone Screenings

| Sieve Size | Percent Passing Sieve Size FWW Product #48 | Specification |
|------------|---|---------------|
| 2" | 100 | 100 |
| 1 1/2" | 100 | 90-100 |
| 1/2" | 100 | 70-100 |
| #4 | 94 | 60-100 |
| #100 | 10 | 0-20 |

This is a manufactured fine aggregate, totally free of deleterious material. Please call me at 655-2989, Ext. 23 with any questions.

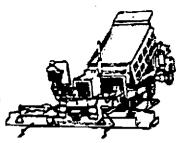


ESTABLISHED 1932 • AN EQUAL OPPORTUNITY CONTRACTOR

SAND & GRAVEL ● CRUSHED STONE ● ASPHALT MIXES ● ASPHALT PAVING • RECYCLING

P.O. BOX 155 WINOOSKI VERMONT 05404 (802) 855-1270

FRANK W. WHITCOMB CONSTRUCTION CORP.



FRANK W. WHITCOMB 1910-1977 OK FOR SPELO2223-2.01E

Per Don Maynord 8/6/02

MATERIAL UNDER

Asphalt And

FAX: (802) 655-0320

To:

Rick Ramuglia, Fleet Environmental

From:

Kelly Massicotte, FWWCC

Date:

8/6/02

RE:

FWW Product # 40: 704.06A

The following average gradation is the result of year 2001-2002 sieve analyses conducted on the abovereferenced product:

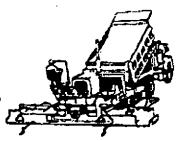
| SIEVE SIZE | PERCENT PASSING SIEVE SIZE | DENSE GRADED CRUSHED STONE SPEC - 704.06A |
|------------|----------------------------|--|
| 3 1/2" | 100 | 100 |
| 3" | 99 | 90 - 100 |
| 2" | 88 | 75 - 100 |
| 1" | 62 | 50 - 8 0 |
| 1/2" | 41 | 30 - 60 |
| # 4 | 24 | 15 - 4 0 |
| # 200 | 4.3 | (1 - 6 |



ESTABLISHED 1932 . AN EQUAL OPPORTUNITY CONTRACTOR SAND & GRAVEL & CRUSHED STONE . ASPHALT MIXES . ASPHALT PAVING . RECYCLING

F.O. BOX 155 WINOOSKI VERMONT 05404 (902) 655-1270 FAX: (802) 655-0320

FRANK W. WHITCOMB CONSTRUCTION CORP.



FRANK W. WHITCOMB 1910-1977

OK FOR SPEC 02221-2.04 per Don Maynand 8/6/02

To:

Rick Remuglis, Fleet Environmental

From:

Michael Bailey, FWWCC

Date:

8/6/02

RE:

FWW Product # 41: 704.08A

RACKFILL AROUND PIPE

MIDWAY AND UP.

らって せんず ひょくかわけ か

The following average gradation is the result of year 2001-2002 sieve analyses conducted on the abovereferenced product:

DEPCENT DASSING

| SIEVE SIZE | SIEVE SIZE | SELECT BALKFILL |
|------------|------------|-----------------|
| 3" | 100 | 100 |
| 2 1/2" | 100 | • |
| 1 1/2" | 100 | • |
| 3/4" | 100 | • |
| 1/2" | 100 | - |
| # 4 | 54 | 40 - 75 |
| # 100 | 7.1 | 0 - 12 |
| 200 | 4.8 | - |



ESTABLISHED 1932 . AN EQUAL OPPORTUNITY CONTRACTOR SAND & GRAVEL . CRUSHED STONE . ASPHALT MIXES . ASPHALT PAVING . RECYCLING

APPENDIX 10B LABORATORY COMPACTION RESULTS

MOISTURE-DEMNITY TRAT DATA

SEP 2 5 2001

JOHNSON CO INC.

MONTPELIER, VT

Date: Project No.:

Project: Location 1:

Remarks 1:

2: 3:

Material 1: description 2: Elevation or depth:

USCS classification:

Natural moisture:

Fig. No.:

09/25/2001

01-070

OUTLET WEIR CONSTRUCTION

MATERIAL SAMPLED BY THE CLIENT

SAMPLE #1 AND #2 COMBINATION

CLIENT: THE JOHNSON CO. CHECK: JACQUES BOURAMIA

LABORATORY NO.: 1632/1633

BEDDING MATERIAL FOR STRUCTURES

1632-33

SPECIMEN: DATA

Specific gravity:

Percent retained on 3/4 in sieve: Percent passing No. 200 sieve:

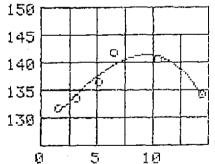
Plastic limit: Liquid limit:

AASHTO classification: Spec 0222/-

Plasticity index:

TEST DATA AND RESULTS FOR CURVE 1632-33

Type of test: Modified, ASTM D 1557-78 Method C

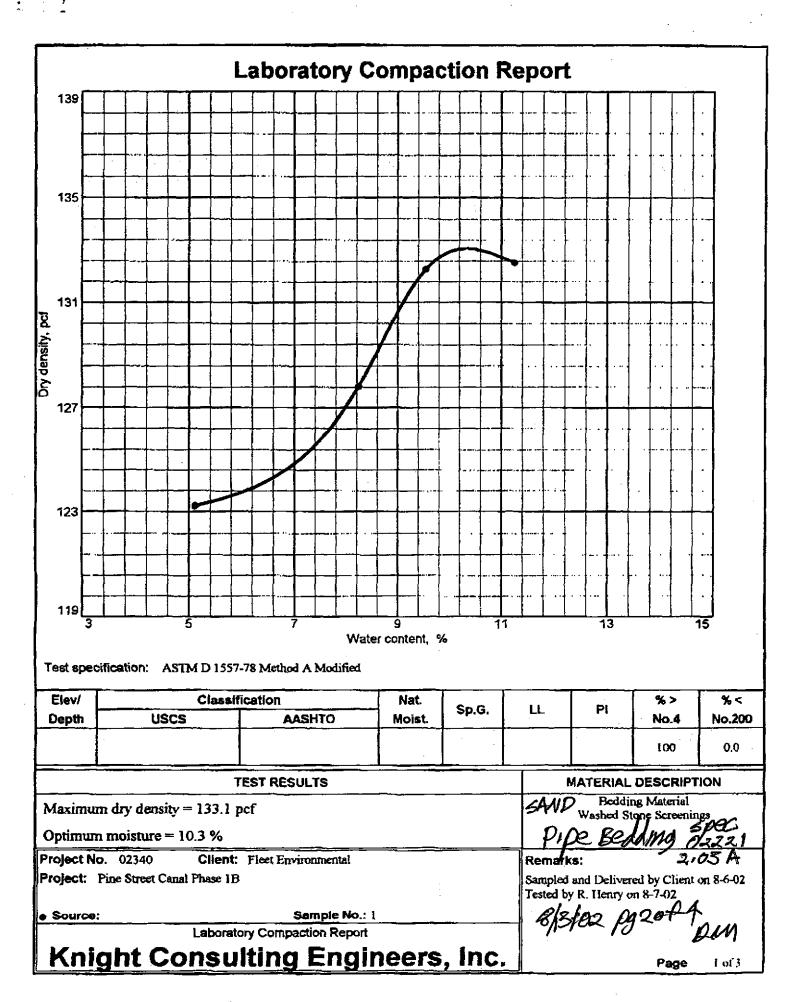


POINT NO. ИМ + ИS 16.17 6.15 S.15 **6.15** ЫM 254.60 227.88 WD+T #1 TARE #1 247.50 227.10 0.66 0,00 គួ.គូគូ 0.00 0.899,99 MOIST #11.4 2.9 19.6 285.10 275.80 6.00 222.70 205.50 212.00 193.90 205,10 201,70 251.10 国国生工 节2 227.80 0,90 周丁 神名 0.88 8.88 0.000.00 10.3 MOIST #21.7 MOISTURE 1.5 3,4 ઠ.છ 14.0 5.0 10.4 13375 DRY DEN 131.6

Max dry den= 141.6 pcf, Opt moisture= 9.5 %

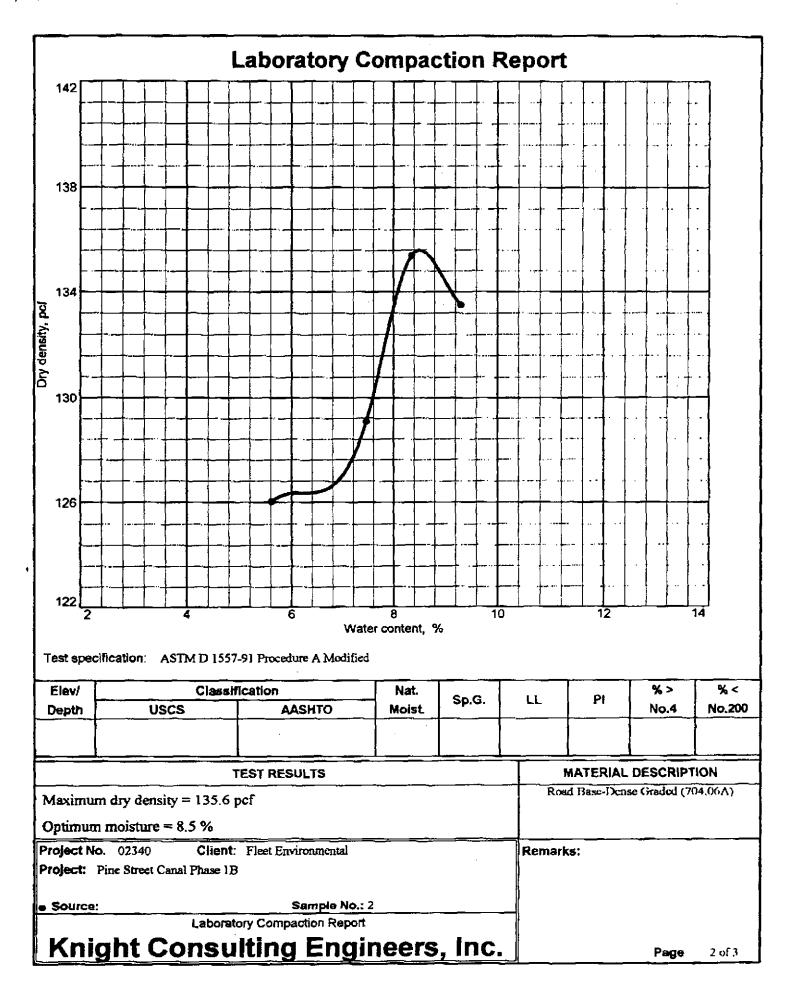
Post-it* Fax Note 7671 To Donald Maynard CONDED The Johnson Co.

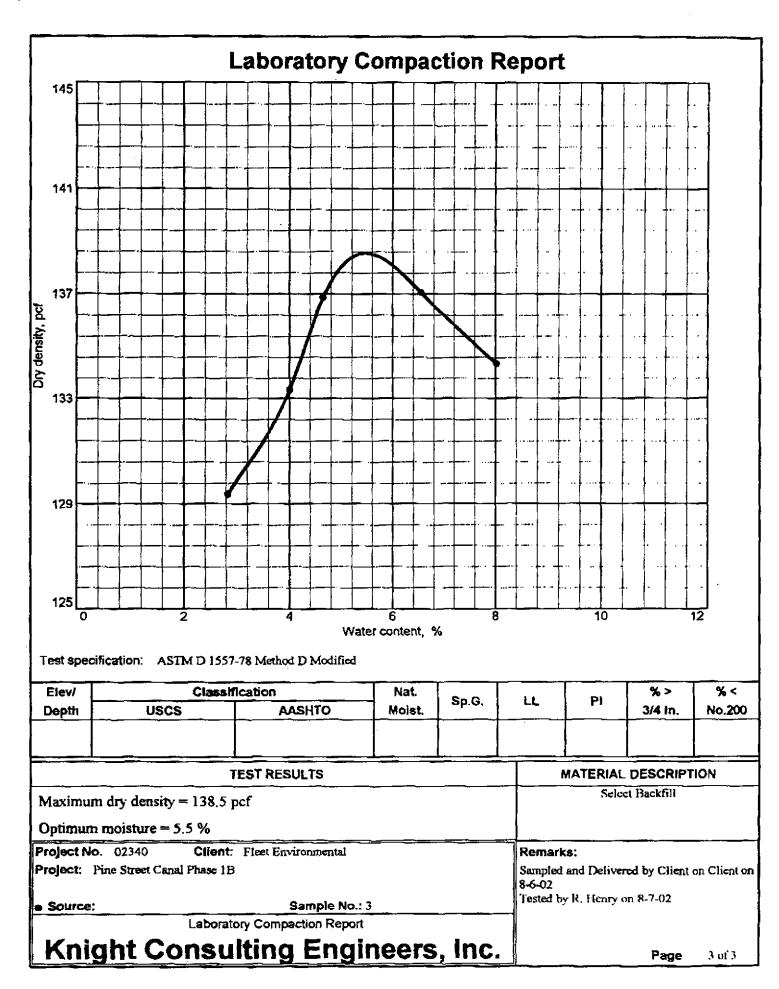
errentreterrenter GBISSER üüü ENGINKERING CORP. ================



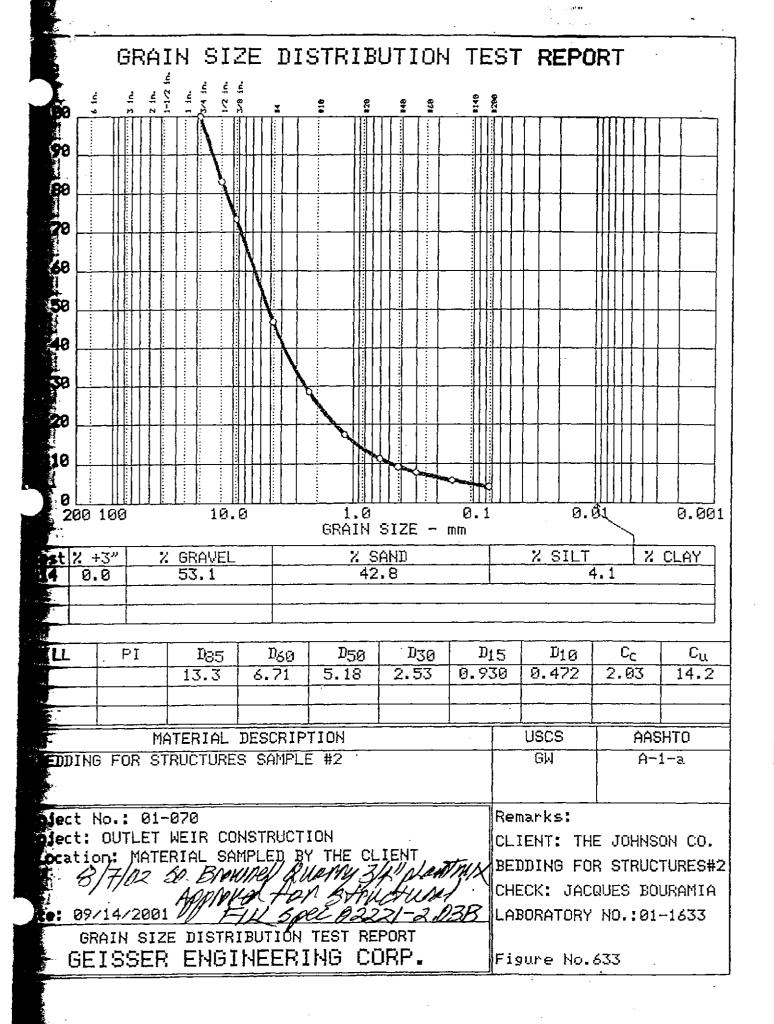
08/12/2002 17:12

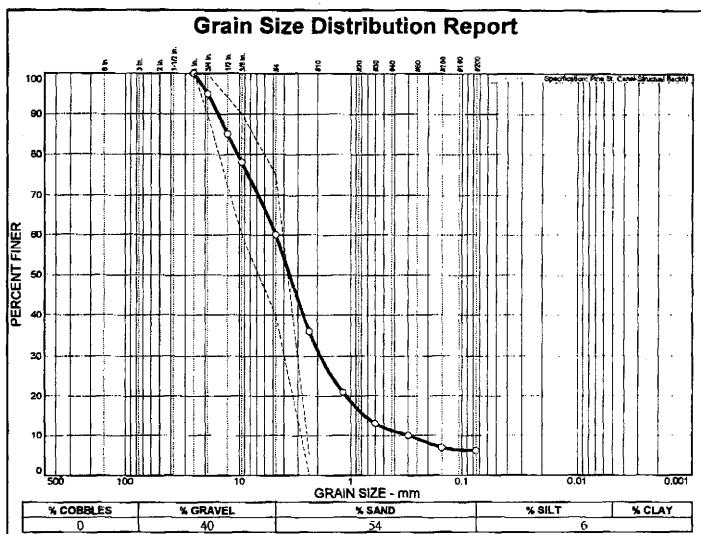
0028796376





APPENDIX 10C GRAIN SIZE TEST RESULTS





| SIEVE | PERCENT | SPEC.* PERCENT | PASS? |
|---|---|--|--------|
| SIZE | FINER | | (X=NO) |
| 1 in. 3/4 in. 1/2 in. 3/8 in. #4 #8 #16 #30 #50 #100 #200 | 100 95 85 78 60 36 21 13 10 7 6.2 | 100 - 100 90 - 100 60 - 90 40 - 75 0 - 5 | × |

| Structural Backf | Soil Description ill - DelWerel | to bite |
|--|---|---|
| PL= | Atterberg Limits LL= | Pi= |
| D ₈₅ = 12.7 D ₃₀ = 1.89 C _u = 15.83 | Coefficients D ₆₀ = 4.75 D ₁₅ = 0.751 C _c = 2.50 | D ₅₀ = 3.55 D ₁₀ = 0,300 |
| USCS= | Classification AASHT(|) = |
| | Remarks nt, Delivered by KCE of agini on August 11, 200 | |

Pine St. Canal-Structual Backfill

Sample No.: 5 Location:

Source of Sample:

Date: 8-11-02 Eley/Depth:

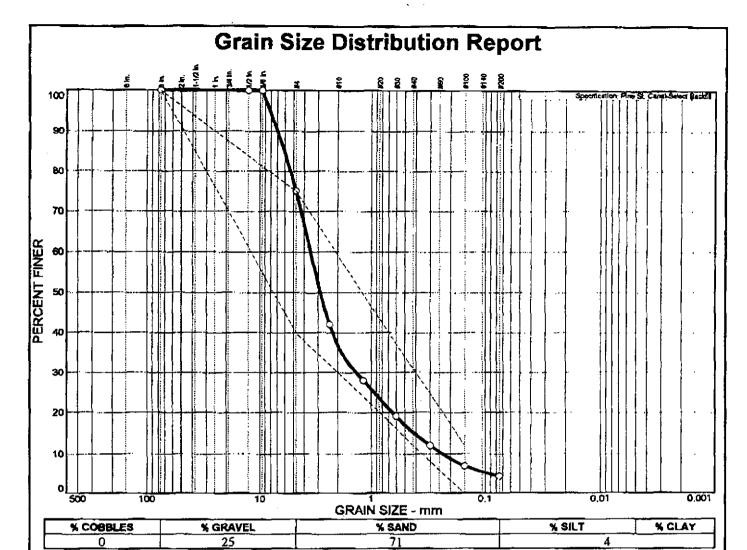
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

1 of 3 Page



| SIEVE | PERCENT | SPEC.* | PA887 |
|-----------------------------|-------------------|-----------|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3 in. 1/2 in. 3/8 in. | 100 100 100 | 100 - 100 | |
| #4 #8 | 75 42 | 40 - 75 | İ |
| #16 #30 #50 | 28 19 12 | | |
| #100 #200 | 12 7 4.4 | 0 - 12 | |
| | | | |
| | | | |
| 1 | | | |
| | | 1.00 | |

| Select Backfill | Soil Description Lelivered 9 | to ble |
|--|---|---|
| PL= | Atterberg Limits | Pi= |
| D ₈₅ = 6.06 D ₃₀ = 1.37 C _U = 14.90 | Coefficients D60= 3.51 D15= 0.416 Cc= 2.28 | D ₅₀ = 2.86 D ₁₀ = 0.235 |
| USCS= | Classification AASHT | `O= |
| | Remarks ent, Delivered by KCE ungini on August 11, 20 | |

Pine St. Canal-Select Backfill

Sample No.: 6 Location: Source of Sample:

Date: 8-11-02 Elev./Depth;

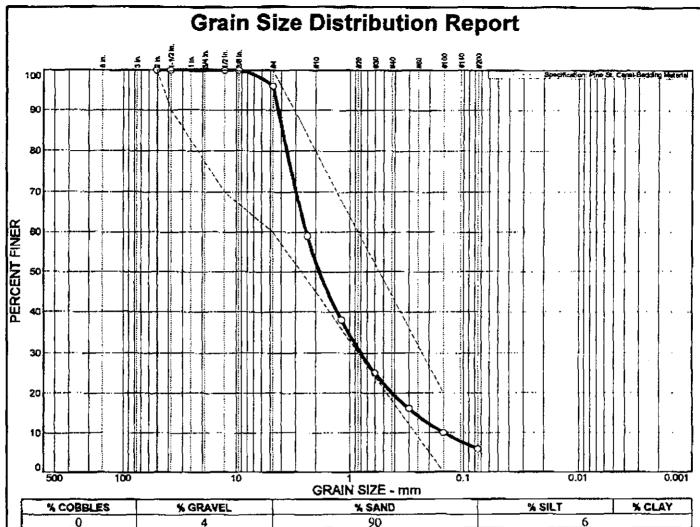
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE SIZE | PERCENT FINER | SPEC." PERCENT | PASS? (X=NO) |
|---|---|---|-----------------|
| 2 in. 1-1/2 in. 1/2 in. 3/8 in. #4 #8 #16 | 100 100 100 100 100 96 59 38 | 100 - 100 90 - 100 70 - 100 60 - 100 | |
| #30 #50 #100 #200 | 25 16 10 5.8 | 0-20 | |
| | 9 | | |

| Pipe Bedding | Soil Description DEHVERER | to bite |
|---|--|-------------------------|
| PL= | Atterberg Limits | <u>3</u> Pl≈ |
| D ₈₅ = 3.91 D ₃₀ = 0.800 C _u = 16.10 | Coefficients D60= 2.42 D15= 0.272 C _c = 1.77 | D50= 1.86 D10= 0.150 |
| USCS= | Classification AASH | TO= |
| | Remarks ent, Delivered by KCE angini on August 11, 2 | |

Pine St. Canal-Bedding Material

Sample No.: 7 Location:

Source of Sample:

Date: 8-11-02

Elev./Depth:

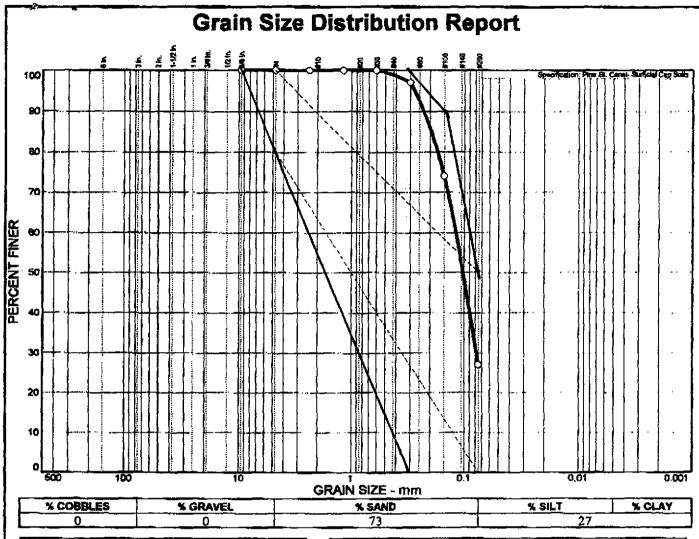
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC." | PASS? |
|------------|-------------|-----------------------|----------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3/8 in. | 100 | 100 - 100 | |
| #4 #8 | 100 100 | 80 - 100 | |
| #16 | 100 | | |
| #30 #50 | 100 97 | 0-100 | |
| #100 | 74 | 0-180 0-90 0-50 | |
| #200 | 27 | 0 - 50 | |
| 1 | | | |
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| 1 | | [| , |
| | | | |
| | L <u></u> . | | |

| Fine Sand | Soil Description | ! |
|---|---------------------------------------|--|
| Life 241/0 | | |
| | Atterberg Limits | . |
| PL= | LL= | Pl≃ |
| | Coefficients | |
| D85= 0.194 | D ₆₀ = 0.118 | D ₅₀ ≃ 0.102 D ₁₀ = |
| D ₈₅ = 0.194 D ₃₀ ≠ 0.0780 C _U = | 0 ₁₅ ≍ C _c = | -טוט |
| | Classification | |
| USCS= | AASH | TO= |
| | Remarks | |
| • ' | | E on August 8, 2002 |
| • | igini on August 11, 2 | 002 |
| F.M.≕0.29 | | |

Pine St. Canal- Surficial Cap Soils

Sample No.: 4 Location:

Source of Sample:

Date: 8-11-02

Elev./Depth:

Knight Consulting Engineers, Inc.

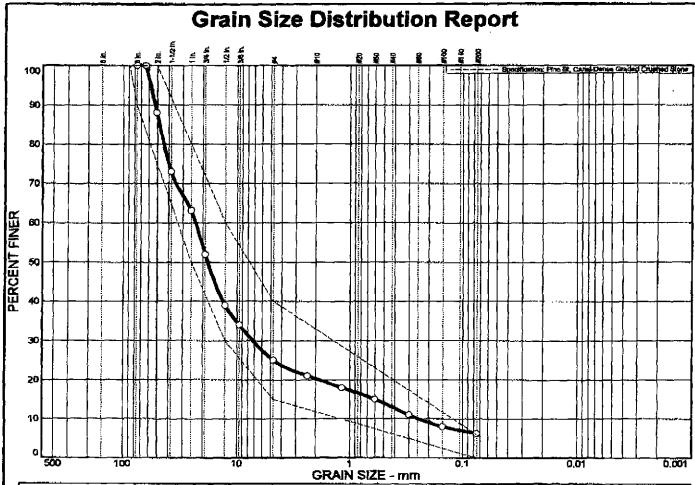
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| | | · · · · · | | | | |
|-----|-----------|--|--------|---------|--------|--|
| - 1 | | ······································ | | | | |
| | % COBBLES | % GRAVEL | % SAND | % Sil.T | % CLAY | |
| j | 0 | 75 | 19 | 6 | | |
| | | | | | | |

| SIEVE | PERCENT | SPEC. | PASS? |
|--------------------|-----------|----------|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3 in. | 100 | 90 - 100 | |
| 2-1/2 in. | 100 88 | 75 - 100 | |
| 2 in. 1-1/2 in. | 73 | 73 - 100 | |
| 1 in. | 63 | 50 - 80 | , |
| 3/4 in. | 52 | 20.50 | |
| 1/2 in. 3/8 in. | 39 34 | 30 - 60 | |
| #4 | 2.5 | 15 - 40 | |
| #8 | 21 | 1 | |
| #16 #30 | 18 15 | | |
| #50 | îí | | |
| #100 | 8 | | |
| #200 | 6.3 | 0-6 | |
| 1 | | | |
| j | | | |
| 1 1 | | | |

| Road Sub-Base | Soil Description | |
|--|--|---|
| PL= | Atterberg Limits | ! P!= |
| D ₈₅ = 48.2 D ₃₀ = 7.23 C _U = 94.01 | Coefficients D ₆₀ = 23.2 D ₁₅ = 0.600 C _c = 9.11 | D ₅₀ = 18.1 D ₁₀ = 0.247 |
| USCS= | Classification AASHT | "O= |
| Sampled and De Tested by R. He F.M.=6.43 | Remarks clivered by KCE on 8-1 cury on 8-19-02 | 13-02 |

Pine St. Canal-Dense Graded Crushed Stone

Sample No.: 8 Location: Source of Sample:

Date: 8-19-02

Elev./Depth:

Knight Consulting Engineers, Inc.

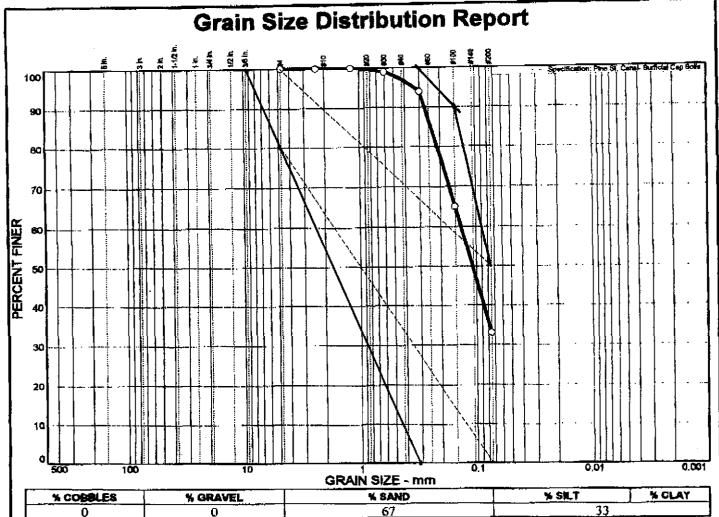
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE SIZE | PERCENT FINER | SPEC." PERCENT | PASS? (X=NO) |
|---|---|--|-----------------|
| #4 #8 #16 #30 #50 #100 #200 | 100 100 100 99 94 65 33 | 80 - 100 0 - 100 0 - 100 0 - 50 | |
| | | | |

| | Soil Description | |
|--|---|--|
| Surficial Cap Sa | nd | |
| | | |
| PL= | Atterberg Limits | <u>l</u> Pl≖ |
| D ₈₅ = 0.240 D ₃₀ = C _u = | Coefficients D60= 0.134 D15= Cc= | D ₅₀ = 0.108 D ₁₀ = |
| USCS= | Classification AASH | TO= |
| | Remarks vered by Client on Se agini on September 30 | |

* Pine St. Canal- Surficial Cap Soils

Sample No.: 9 Location:

Source of Sample:

Date: 9-30-02

1 of 2

Elev./Depth:

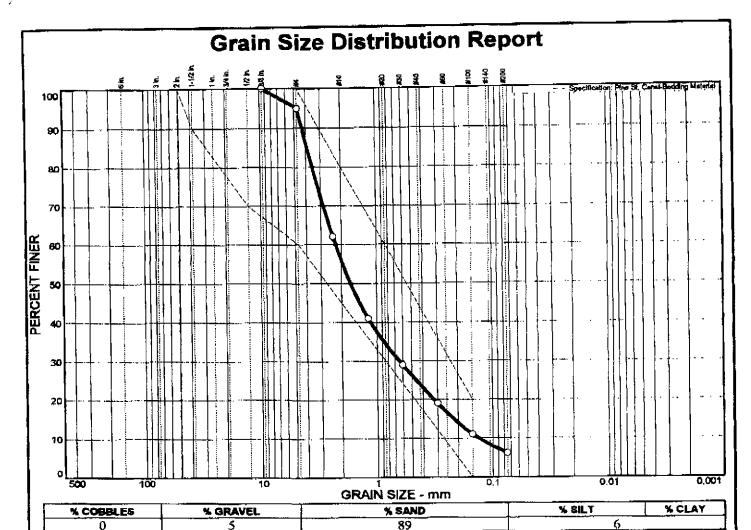
Knight Consulting Engineers, Inc.

Client: Floet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC." | PASS? |
|-----------------------------------|-----------------------------|----------|--------|
| 81ZE | FINER | PERCENT | (X=NO) |
| 3/8 in. #4 #8 | 100 95 62 | 60 - 100 | 1 |
| #16 #30 #50 #100 #200 | 41 29 19 11 6.3 | 0 - 20 | |
| | | | |
| | | | |

| | Soil Description | |
|---|--|---|
| Bedding Sand | | |
| | | |
| PL= | Atterberg Limits LL= | PI= |
| D ₈₅ = 3.90 D ₃₀ = 0.641 C _u = 16.83 | Coefficients $D_{60} = 2.24$ $D_{15} = 0.219$ $C_{c} = 1.37$ | D ₅₀ = 1.67 D ₁₀ = 0.133 |
| USCS= | Classification AASHT | ·O= |
| • | Remarks vered by Client on Sep agini on September 30 | |

Pinc St. Caral-Bodding Material

Sample No.: 10 Location: Source of Sample:

Date: 9-30-02

Elev./Depth:

Knight Consulting Engineers, Inc.

Client: Fleet Environmental

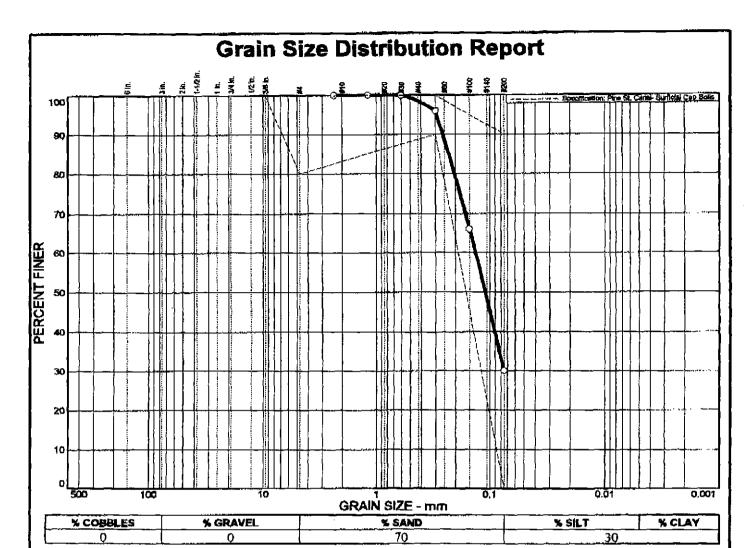
Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC.* PERCENT | PASS? |
|---|-------------------------------------|--------------------|--------|
| SIZE | FINER | | (X=NO) |
| #8 #16 #30 #50 #100 #200 | 100 100 100 96 66 30 | 90 - 100 0 - 90 | |

| Surficial Cap Sar | Soil Description | ±10. |
|---|--|--|
| PL= | Afterberg Limit | <u>ts</u> Pl= |
| D ₈₅ = 0.229 D ₃₀ = 0.0750 C _u = | Coefficients D60= 0.133 D15= Cc= | D ₅₀ = 0.109 D ₁₀ = |
| USCS= | Classification AASI | |
| - | Remarks ered by Client on Co ord on October 7, 2 | , |

* Pine St. Canal-Surficial Cap Soils

Sample No.: 11

Source of Sample:

Date: 10-7-02

Location:

Elev/Depth:

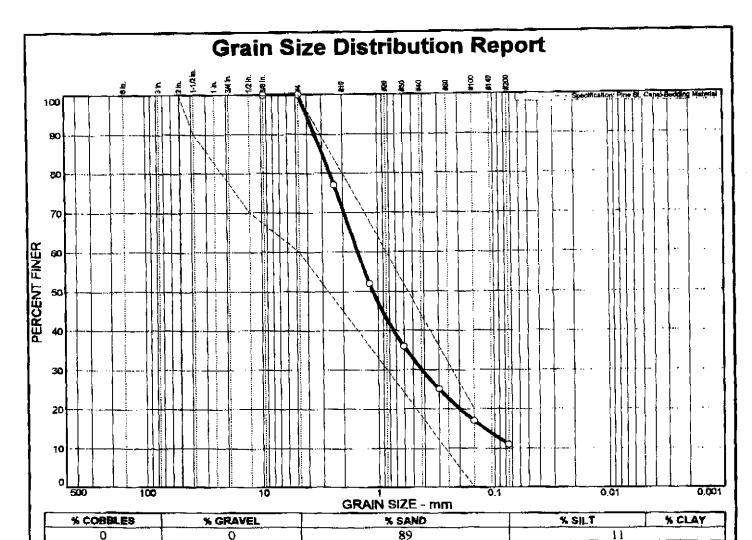
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC." PERCENT | PA887 (X=NO) |
|-----------------------------------|----------------------------|----------------|-----------------|
| 3/8 in. #4 #8 | 100 100 77 | 60 - 100 | (A=NO) |
| #16 #30 #50 #100 #200 | 52 36 25 17 11 | 0 - 20 | |
| | | | |
| | | | |
| | | | Ì |

| Bedding Sand | Soll Description | <u>n</u> |
|--------------------------------|--|---|
| | | |
| PL= | Atterberg Limit | <u>§</u> Pl= |
| D85# 2.97 D30= 0.423 Cu= | Coefficients 060= 1.49 D15= 0.121 Cc= | D ₅₀ = 1.10 D ₁₀ = |
| USCS= | <u>Classification</u> AASH | TO= |
| | Remarks rered by Client on Oris on October 14, 20 | |

* Pine St Canal-Bedding Material

Sample No.: 12 Location:

Source of Sample:

Date: 10-14-02

Eley./Depth:

Knight Consulting Engineers, Inc.

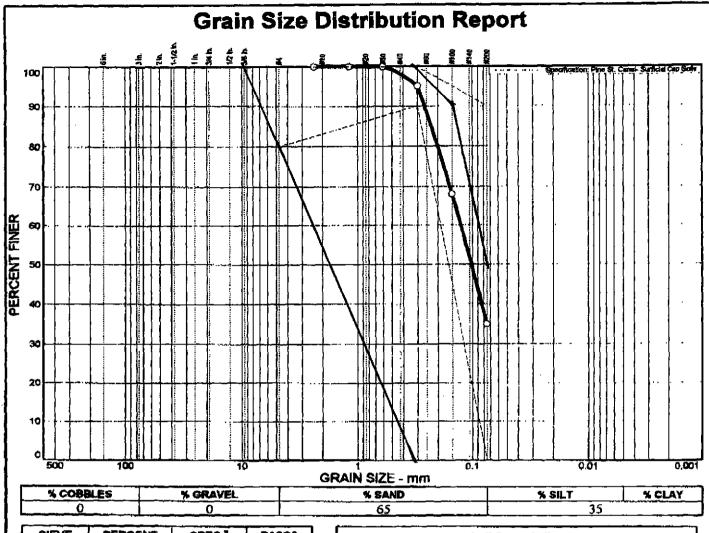
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC." | PA89? |
|---|-------------------------------------|-------------------------------|--------|
| SIZE | FINER | PERCENT | (X≃NO) |
| #8 #16 #30 #50 #100 #200 | 100 100 100 95 68 35 | \$0 - 100 0 - 10 0 - 50 | |

| Cap Sand | Soll Description | 1 |
|--|---|--|
| PL= | Atterberg Limit | <u>s</u> Pl≃ |
| D ₈₅ = 0.228 D ₃₀ = C _U = | Coefficients D60= 0.126 D15= Cc= | D ₅₀ = 0.102 D ₁₀ = |
| USCS= | Classification AASH | TO= |
| | Remarks vered by Client on Oc vis on October 14, 20 | |

Pine St. Canal-Surficial Cap Soils

Sample No.: 13 Location;

Source of Sample:

Date: 10-14-02

Elev./Depth:

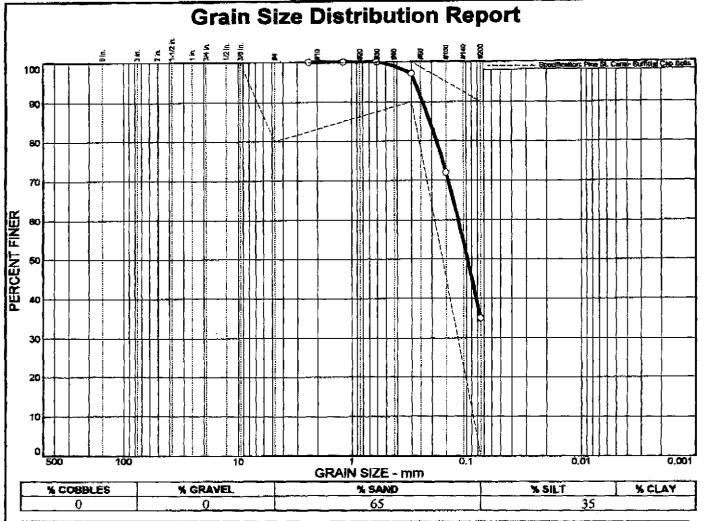
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 113

Project No: 02340

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| SIEVE | PERCENT | SPEC.* PERCENT | PASS? |
|---|-------------------------------------|--------------------|--------|
| SIZE | FINER | | (X=NO) |
| #8 #16 #30 #50 #100 #200 | 100 100 100 97 72 35 | 90 - 100 0 - 90 | |

| | Soil Description | |
|--|--|---|
| Cap Sand | | |
| | | |
| PL= | Atterberg Limits | P! = |
| D ₈₅ = 0.208 D ₃₀ = C _u = | Coefficients D ₆₀ = 0.117 D ₁₅ = C _c = | D ₅₀ = 0.0976 D ₁₀ = |
| USCS= | Classification AASHT | ·o= |
| | Remarks vered by Client on Oct vis on October 30, 200 | |

Pine St. Canal- Surficial Cap Soils

Sample No.: 14

Source of Sample:

Location: Fountaine Pit

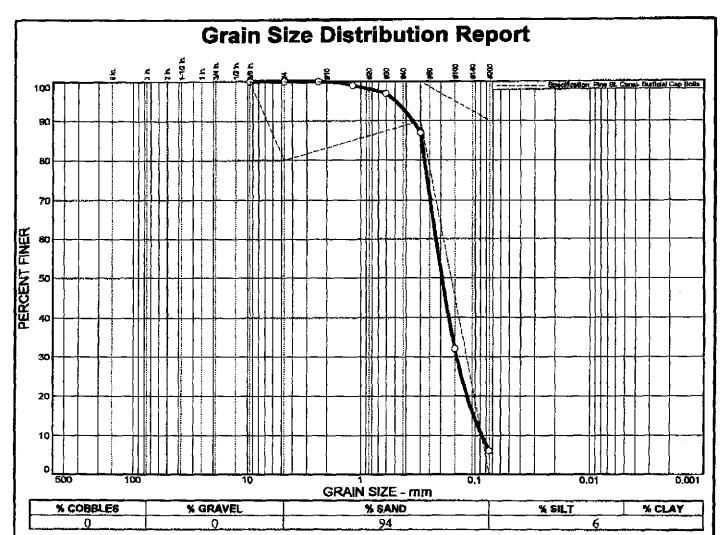
Date: 10-30-02 Elev./Depth:

Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340



| SIEVE | PERCENT | SPEC. | PASS? |
|--|--|---|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3/8 in. #4 #8 #16 #30 #50 #100 #200 | 100 100 100 99 97 87 32 6.1 | 100 - 100 80 - 100 90 - 100 0 - 90 | x |
| | | : | |

| Cap Sand | Soil Description | 1 |
|---|--|---|
| PL= | Atterberg Limits | <u>•</u> Pl= |
| D ₈₅ = 0.293 D ₃₀ = 0.145 C _U = 2.53 | Coefficients D60= 0.220 D15= 0.102 Cc= 1.10 | D ₅₀ = 0.194 D ₁₀ = 0.0867 |
| USCS= | Classification AASH1 | ΓΟ= |
| | Remarks vered by Client on October 30, 20 | |

Pine St. Canal- Surficial Cap Soils

Sample No.: 15

Source of Sample:

Date: 10-30-02

Location: Hector LeClaire Pit

Elev./Depth:

Knight Consulting Engineers, Inc.

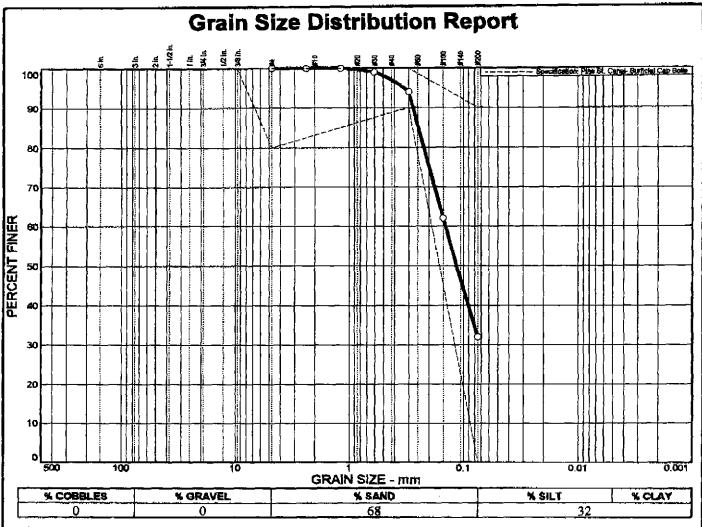
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

Page

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| SIEVE | PERCENT | SPEC.* | PASS? |
|------------------------|-------------------------|----------|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| #4 #8 #16 #30 | 100 100 100 99 | 80 - 100 | |
| #50 #100 | 94 62 | 90 - 100 | |
| #200 | 32 | 0 - 90 | |
| | | | |

| | Soli Description | n |
|-------------------------|----------------------|-------------------------|
| Cap Sand | | |
| | | |
| | Atterberg Limit | <u>S</u> |
| PL≕ | LL≔ | P(= |
| _ | Coefficients | |
| D ₈₅ = 0.247 | $D_{60} = 0.143$ | D ₅₀ ≈ 0.114 |
| D30= Cu≐ | D15= Cc= | D ₁₀ = |
| | Classification | |
| USCS= | AASH | TO= |
| | <u>Remarks</u> | |
| | ivered by KCE on Oct | |
| Tested by J. Ma | ngini on November 2, | , 2002 |
| F.M.=0.45 | | |

* Pine St. Canal- Surficial Cap Soils

Sample No.: 16

Source of Sample:

Location: Fountaine Pit

Date: 11-2-02 Elev./Depth:

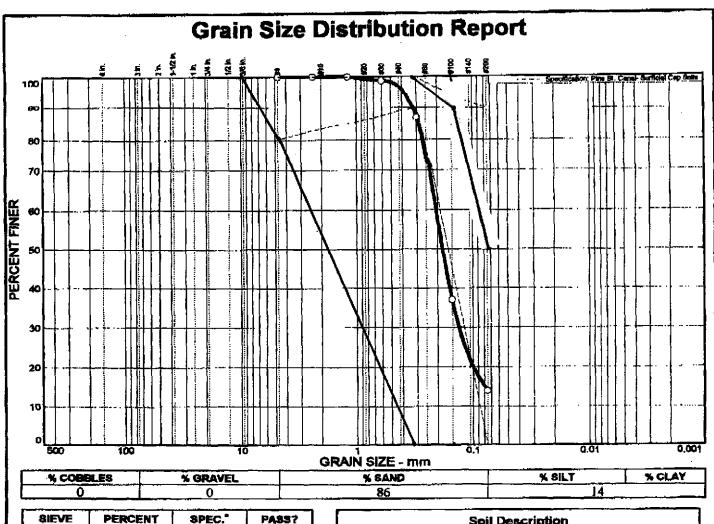
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE SIZE | PERCENT FINER | SPEC." PERCENT | PA85? (X=NO) |
|---|---|-------------------------------|-----------------|
| #4 #8 #16 #30 #50 #100 #200 | 100 100 100 99 87 37 14 | 80 - 100 0 - 100 0 - 90 | x |
| | | | |

| | Soil Description | |
|--|---|--|
| Cap Sand (White | e Bucket) | |
| | Atterberg Limits | |
| PL= | LL.= | PI= |
| D ₈₅ = 0.289 D ₃₀ = 0.132 C _U = | Coefficients D ₆₀ = 0,205 D ₁₅ = 0.0790 C _c = | D ₅₀ = 0.180 D ₁₀ = |
| USCS= | Classification AASHT | O= |
| | Remarks nt & Delivered by KC ngini on November 11 | E on November 7, 2002 , 2002 |

Pine St. Canal-Surficial Cap Soils

Sample No.: 17 Location:

Source of Sample:

Elev./Depth:

Darto: 11-11-02

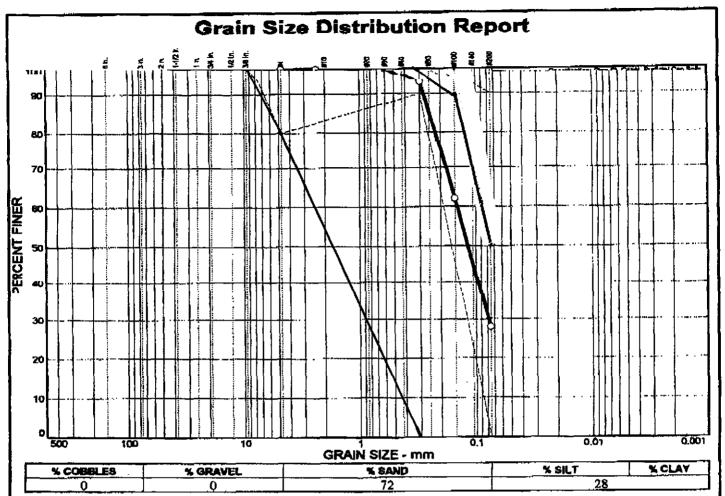
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Client: Fleet Environmental

Project No: 02340

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| SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|--|---|--|-----------------|
| #44 #88 #30 #50 #100 #200 | 100 100 100 99 93 62 28 | 80 - 100 80 - 100 9 - 90 0 - 90 | (X=NO) |
| | | | |

| | Soil Description | Į. |
|----------------------------------|----------------------------------|-----------------------|
| Cap Sand (Black | Bucket) | |
| | | |
| PL= | Atterberg Limits | Pl= |
| ru- | EC. | · ,- |
| D85= 0.249 D30= 0.0781 Cu= | Coefficients D60= 0.144 D15= Cc= | D50= 0.117 D10= |
| USC\$= | Classification AASH1 | · O= |
| | Remarks | |
| Sampled by Clier | | E on November 7, 2002 |
| Tested by J. Man | gini on November 11 | , 2002 |
| F.M.=0.46 | - | |

Pins St. Canal- Surficial Cap Soils

Sample No.: 18 Location:

Source of Sample:

Date: 11-11-02

Elev./Depth:

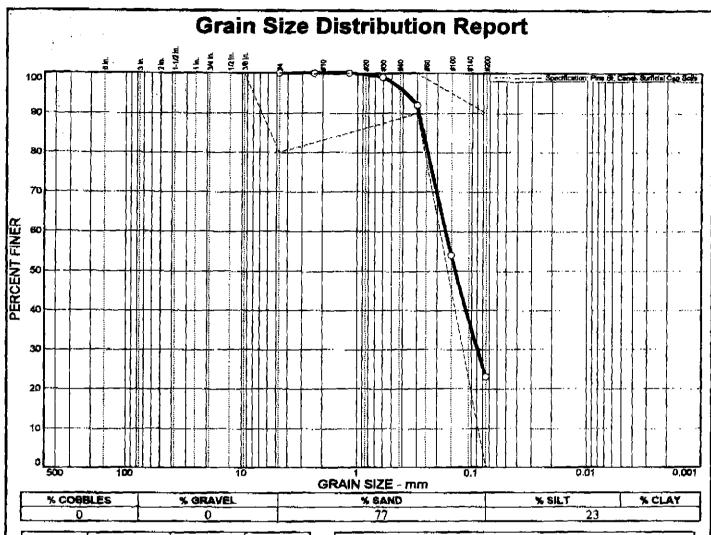
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC." | PASS? |
|---|---|--------------------------------|--------|
| SIZE | FINER | PERCENT | (X≃NO) |
| #4 #8 #16 #30 #50 #100 #200 | 100 100 100 99 92 54 23 | 80 - 100 90 - 100 0 - 90 | |
| | | | |

| | Soil Description | l |
|-------------------------|---------------------------------------|-------------------------|
| Fine Sand | | |
| | | |
| | Atterberg Limits | |
| PL≃ | 11= | Pl≂ |
| | Coefficients | |
| D ₈₅ = 0.264 | $D_{60} = 0.168$ | D ₅₀ ≃ 0.138 |
| D30= 0.0886 Cu= | D ₁₅ = C _C = | D ₁₀ = |
| ∪u- | ~c− | |
| | Classification | _ |
| U\$C\$= | AASH1 | © = |
| | Remarks | |
| Sampled & Deliv | ered by Client on De | cember 13, 2002 |
| | is on December 20, 2 | |
| F.M.=0.55 | · | |

Pine St. Canal- Surficial Cap Soils

Sample No.: 19

Location: Fontain Pit

Source of Sample:

Date: 12-20-02

Elev./Depth:

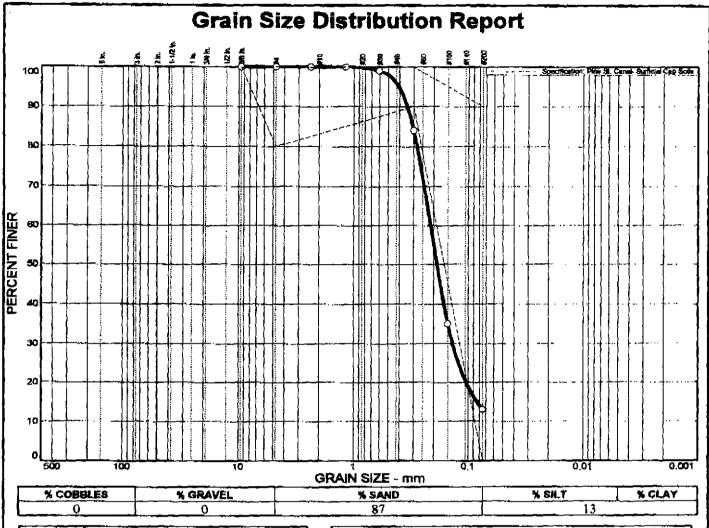
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC.* | PA88? |
|------------|----------|-----------|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3/8 in. | 100 | 100 - 100 | |
| #4 | 100 | 80 - 100 | |
| #8 | 100 | 1 | |
| #16 | 100 | | |
| #30 #50 | 99 | 200 100 | w |
| #100 | 84 35 | 90 - 100 | X |
| #200 | 13 | 0 - 90 | 1 |
| 7200 | 1.5 | 0-90 | |
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| | · | |
|--|--|--|
| Fine Sand | Soli Description | |
| PL≖ | Atterberg Limits | Pt≂ |
| D ₈₅ = 0.306 D ₃₀ = 0.137 C _u = | Coefficients D60= 0.212 D15= 0.0836 C _C = | D ₅₀ = 0.187 D ₁₀ = |
| USÇS= | Classification AASHT | 0 = |
| | Remarks vered by Client on Dec vis on December 20, 2 | |

Pine St. Canal- Surficial Cap Soils

Sample No.: 20 Location: Fontain Pit

Source of Sample:

Date: 12-20-02

Elev./Depth:

Knight Consulting Engineers, Inc.

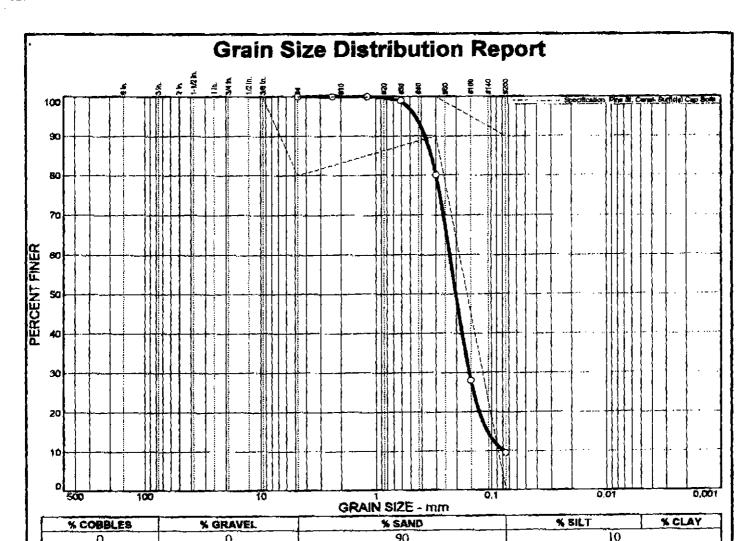
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC.* PERCENT | PA897 (X=NO) |
|--------------------|-------------------|----------------|-----------------|
| #4 #8 #16 | 100 100 100 | 80 - 100 | |
| #30 #50 #100 | 99 80 28 | 90 - 100 | x |
| #200 | 9.5 | 0 - 90 | |
| | | } | • |
| | | | |
| | | | |
| | | | |
| | | | |

| Soil Description | Į. |
|-----------------------------------|--|
| | |
| Atterberg Limits | ì |
| LL= | PI≔ |
| Coefficients | |
| $D_{60} = 0.228$ $D_{45} = 0.108$ | D ₅₀ = 0.202 D ₁₀ = 0.0786 |
| $C_c = 1.34$ | 2 10 0.0700 |
| Classification | |
| AASHI | [O= |
| Remarks | |
| vered by Client on De | cember 13, 2002 |
| vis on December 20, 2 | 2002 |
| | Atterberg Limits LL= Coefficients D60= 0.228 D15= 0.108 Cc= 1.34 Classification AASHI Remarks |

Pine St. Canal- Surficial Cap Soils

Sample No.: 21 Location: Fontain Pit

Source of Sample:

Date: 12-20-02

Elev./Depth:

Knight Consulting Engineers, Inc.

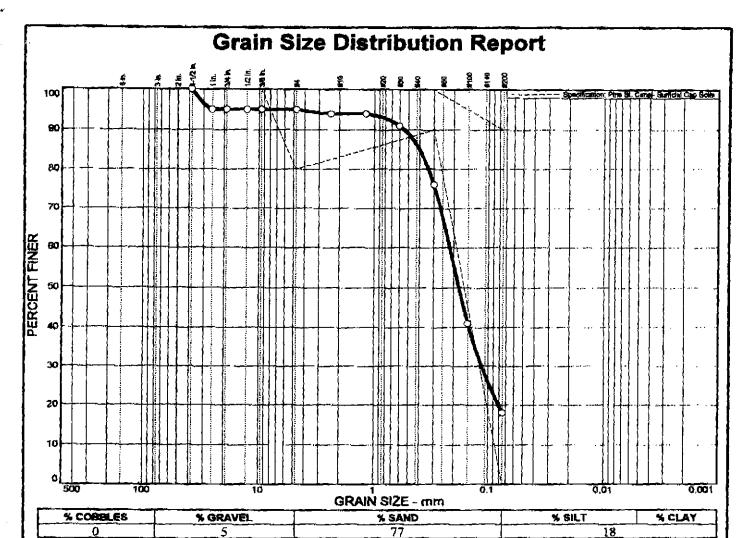
Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE | PERCENT | SPEC. | PASS? |
|--|---|---|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 1-1/2 in. 1 in. 3/4 in. 1/2 in. 3/8 in. #4 #8 #16 #30 #50 #100 #200 | 100 95 95 95 95 96 94 94 91 76 41 18 | 100 - 100 80 - 100 90 - 100 0 - 90 | x x |

| Di - 0 - 3 | Soil Description | |
|--|---|--|
| Fine Sand | | |
| PL≈ | Atterberg Limit | <u>•</u> Pi≑ |
| D ₈₅ = 0.401 D ₃₀ = 0.113 C _U = | Coefficients D60= 0.216 D15= Cc= | D ₅₀ = 0.180 D ₁₀ = |
| USCS≃ | Classification AASH1 | 1 0≈ |
| | Remarks vered by Client on De vis on December 20, 2 | |

Pine St. Canal-Surficial Cap Soils

Sample No.: 22

Location: Fontain Pit

Source of Sample:

Date: 12-20-02

Elev./Depth:

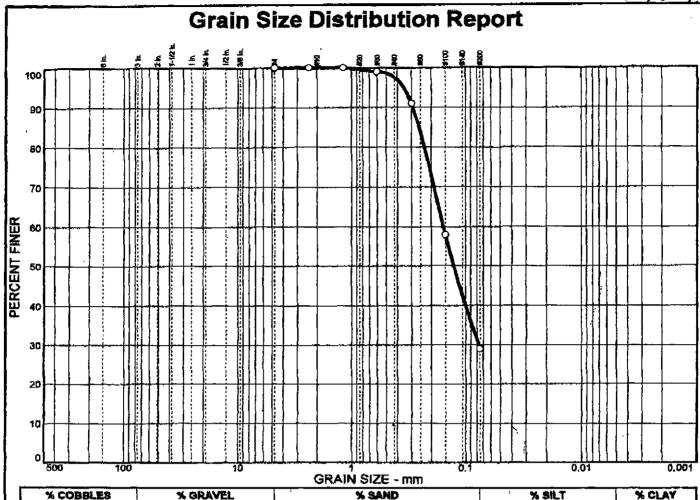
Knight Consulting Engineers, Inc.

Client: Fleet Environmental

Project: Pine Street Canal Phase 1B

Project No: 02340

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| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|----------------|-----------------|
| #4 #8 #16 #30 #50 #100 #200 | 100 100 100 99 91 58 29 | | |
| | | | |

| Sand | Soli Description | <u>n</u> |
|---|--|--------------------|
| PL= | Atterberg Limit | £ Pì≖ |
| D ₈₅ = 0.256 D ₃₀ = 0.0770 C _U = | Coefficients D ₆₀ = 0.156 D ₁₅ = C _c = | D50= 0,127 D10= |
| USCS= | Classification AASH | TO= |
| Sampled and Del Tested by ACR 6 F.M.=0.52 | Remarks ivered by Client 6-1 -18-04 | 7-04 |

% SILT

% CLAY

(no specification provided)

Sample No.: 15/NO0/76 Source of Sample: Fortaine Pit Location: J_P6C5 NBC SAND/

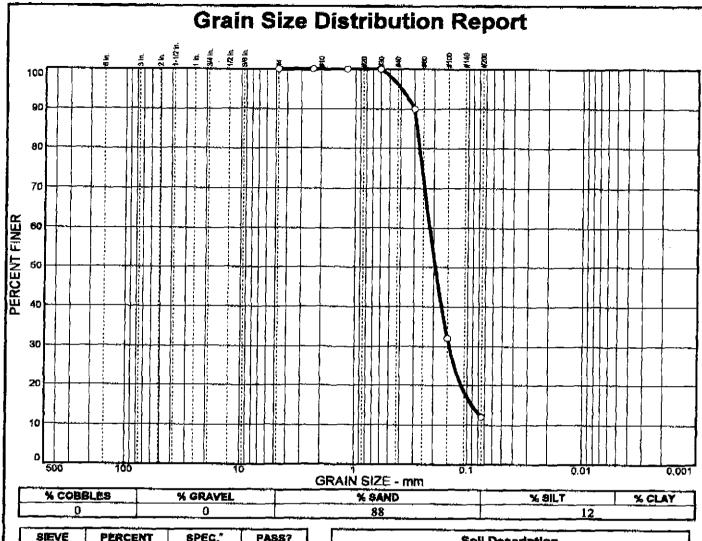
Date: 6-18-04 Elev./Depth:

Knight Consulting Engineers, Inc.

Client: The Johnson Company Project: Pine Street Caral

71

Project No: 04342



| SIEVE SIZE | PERCENT FINER | SPEC." | PASS? (X=NO) |
|---------------|---------------------|----------|-----------------|
| #4 | 100 | TEROLIE | (2-160) |
| #8 | 100 | } | |
| #16 #30 | 100 100 | | |
| #50 | 90 | | |
| #100 | 32 | | |
| #200 | 12 | 1 1 | |
| | | ! ! | |
| | | | |
| | | } | |
| | | } | |
| ļ | | , , | |
| | | | |
| | | 1 | |
| | | 1 | |
| | ! ! | | |
| (no spe | cification provided | i) | |

| Fine Sand | Soli Descriptio | Ω | | | | | |
|---|--|--|--|--|--|--|--|
| PĹ≅ | Atterberg Limit | <u>s</u> P ≖ | | | | | |
| D85 [™] 0.284 D30 [™] 0.145 Cu [™] | Coefficients D ₆₀ = 0.217 D ₁₅ = 0.0909 C _c = | D ₅₀ = 0,193 D ₁₀ ≃ | | | | | |
| USCS= | <u>Classification</u> AASH | | | | | | |
| Remarks Sampled and Delivered by Client 6-24-04 Tested by ACR 6-25-04 Clients SIN: 00176-02 F.M.=0.78 | | | | | | | |

Sample No.: 1

Source of Sample: Stockpile

Date: 6-25-04

Location:

Client: The Johnson Company

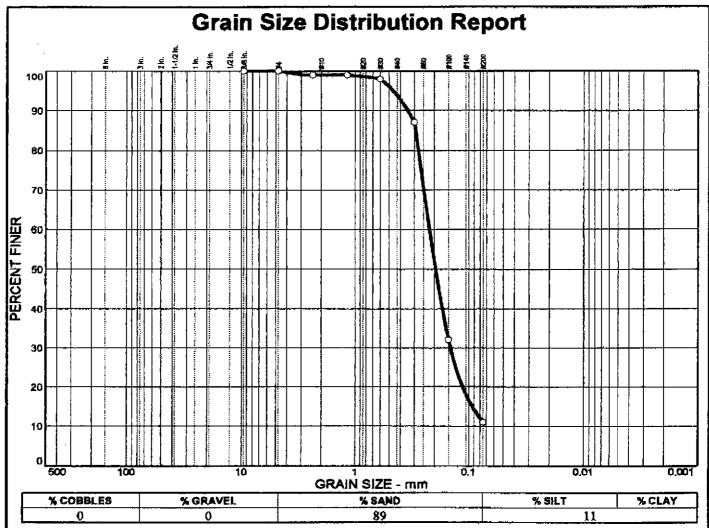
Project: Pine Street Canal

Knight Consulting Engineers, Inc.

Project No: 04342

Page

Elev / Depth:



| SIEVE | PERCENT | SPEC." | PASS? |
|--|--|---------|--------|
| SIZE | FINER | PERCENT | (X=NO) |
| 3/8 in. #4 #8 #16 #30 #50 #100 #200 | 100 100 99 99 98 87 32 11 | | |

| Fine Sand SIN (| Soli Description 00176-03 | |
|--|--|--|
| PL= | Atterberg Limits | PI= |
| D85= 0.293 D30= 0.145 Cu= | <u>Coefficients</u> D ₆₀ = 0.220 D ₁₅ = 0.0929 C _c = | D ₅₀ = 0.195 D ₁₀ = |
| USCS= | Classification AASHT | O= |
| Sampled and De Tested by ACR (F.M.=0.85 | Remarks livered by Client 6-29 6-29-04 | P-04 |

* (no specification provided)

Sample No.: 2 Location: Source of Sample: Stockpile

Date: 6-29-04

Elev./Depth:

Knight Consulting Engineers, Inc. Client: The Johnson Company Project: Pine Street Canal

Project No: 04342

Page

APPENDIX 10D FIELD COMPACTION RESULTS

KNIGHT CONSULTING ENGINEERS, INC. P.O. BOX 29 WILLISTON, VT 05495-0029

FIELD COMPACTION REPORT

| For I | leet Environ | mental Services LLC | Pro | ject Pine Street | Canal Ph | ase 1B | <u> </u> | CE# | 02340 | |
|-------------|----------------|--|-----------|----------------------------------|-------------------------------------|----------------------------|------------------------------------|--------------------------|----------------------------|-----|
| Test No. | Date Tested | Linkation | Elevation | Soil Description | In-Place Dry Density (pcf) | Moisture Content (%) | Meximum Dry Density (pef) | Optimum Moisture % | Percent Compaction % | Int |
| 1 | 08-08-02 | Drop Inlet 30" South of Center of Road | 94.4" | Structural Bedding 0221-2.03B | 121.1 | 1,5 | 141.6 | 5.5 | *85.5 | jm |
| 2 | 08-08-02 | Retest #1 | 90,47 | Structural Bedding 0221-2.03B | 128.5 | 1.2 | 141.6 | 5.5 | 90.7 | jm |
| 3 | 08-08-02 | Drop Inlet 15' South of Center of Road | 91' | Structural Bedding 0221-2.03B | 126,7 | 2.6 | 141.6 | 5.5 | *89.5 | jan |
| 4 | 08-08-02 | Drop Inlet 30' South of Center of Road | 917 | Structural Bedding 0221-2.03B | 127.5 | 1.5 | 141.6 | 5.5 | 90.0 | jm |
| 5 | 08-08-02 | Retest #3 | 91' | Structural Bedding 0221-2.03B | 133.5 | 1.2 | 141.6 | 5.5 | 94.3 | jm |
| 6 | 08-08-02 | Drop Inlet 15' South of Center of Road | 92' | Structural Bedding 0221-2.03B | 127.9 | 0.8 | 141.6 | 5.5 | 90.3 | jm |
| 7 | 08-08-02 | Drop Inlet 8" South of Center of Road | 93' | Structural Bedding 0221-2.03B | 129.5 | 1.2 | 141.6 | 5.5 | 91.5 | jm |
| 8 | 08-08-02 | Drop Inlet 4' South of Center of Road | 93.5 | Bodding Material 0221-2.03A | 121.9 | 4.3 | 133.1 | 10.3 | 91.6 | jm |
| 9 | 08-08-02 | Drop Inlet 4' South of Center of Road | 94,7 | Bodding Material 0221-2.03A | 122,7 | 3,9 | 133.1 | 10.3 | 92.2 | jm |
| 10 | 08-08-02 | Drop Inlet 8' South of Center of Road | 94' | Structural Bedding 0221-2.03B | 130.1 | 1.9 | 141.6 | 5.5 | 91.9 | jm |
| 11 | 08-08-02 | Drop Inlet 6' South of Center of Road | 95' | Structural Bedding 0221-2.03B | 127.8 | 1.7 | 141.6 | 5.5 | 90.3 | jm |
| 12 | 08-08-02 | Drop Inlet 4' South of Center of Road | 95' | Bedding Material 0221-2.03A | 126.5 | 3,6 | I33.1 | 10.3 | 95,0 | jm |
| 13 | 08-08-02 | Drop Inlet 4' South of Center of Road | 95,53 | Bedding Material 0221-2.03A | 120.2 | 4.2 | 133.1 | 10.3 | 90.3 | jm |
| 14 | 08-08-02 | Drop Inlet 8' South of Center of Road | 95,5' | Smichiral Bedding 0221-2.03B | 135,1 | 2.0 | 141.6 | 5.5 | 95.4 | јm |
| 15 | 08-08-02 | Drop Inlet 8' South of Center of Road - East Side of Pipe | 96.5* | Bedding Material 0221-2.03A | 121.6 | 3,6 | 133.1 | 10,3 | 91.4 | jm |
| 16 | 08-08-02 | Drop Inlet 10' South of Center of Road - West Side of Pipe | 96.5 | Bedding Material 0221-2.03A | 121.8 | 4.0 | 133.1 | 10.3 | 91.5 | jm |

One Copy to: Fleet Environmental Services, Rick Ramuglia -781-815-1102; Johnson Company, Dan Maynard - 802-229-5876

REMARKS: Area to be recompacted and retested.

Submitted by:

KNIGHT CONSULTING ENGINEERS, INC. P.O. BOX 29 WILLISTON, VT 05495-0029

FIELD COMPACTION REPORT

| Test No. | Date Tested | Location | Elevation | Soil Description | in-Place Dry Denaity (pof) | Moisture Content (%) | Maximum Dry Density (pcf) | Optimum Moisture % | Percent Compaction % | tant |
|-------------|----------------|---|-----------|-----------------------------------|-------------------------------------|----------------------------|------------------------------------|--------------------------|----------------------------|------|
| 17 | 08-08-02 | Drop Inlet 8' South of Center of Road - Bast Side of Pipe | 97.2 | Bedding Meterial 0221-2.03A | 122.1 | 4.2 | 133.1 | 10.3 | 91.7 | jm |
| 18 | 08-08-02 | Drop Inlet 8" South of Center of Road - West Side of Pipe | 97,2 | Bedding Material 0221-2.03A | 126.9 | 3.7 | 133,1 | 10.3 | 95,4 | jm |
| 19 | 08-09-02 | Center of Road | 95.0 | Bedding Meterial 0221-2.03A | 119.9 | 3.4 | 133.1 | 10.3 | 90.1 | jm |
| 20 | 08-09-02 | Centerline | 95.3 | Bedding Material 0221-2,03A | 120.3 | 3.7 | 133.1 | 10,3 | 90.4 | ad |
| 21 | 08-09-02 | Centerline West Side | 96.0 | Bedding Material 0221-2,03A | 116.8 | 4.0 | 133,1 | 10,3 | 87.8 | 8d |
| 22 | 08-09-02 | 25' North of Centerline | 94.5 | Structural Bedding 02221-2.03B | 126.2 | 2.2 | 141.6 | 9.5 | 89.1 | ad |
| 23 | 08-09-02 | 15' North of Centerline | 94.5 | Bedding Material 0221-2,03A | 120.3 | 3,9 | 133.1 | 10.3 | 90.5 | Bd |
| 24 | Q8-09-02 | 15' North of Centerline | 95.1 | Bedding Material 0221-2.03A | 122.9 | 5.4 | 133.1 | 10,3 | 92.3 | sd. |
| 25 | 08-09-02 | 25' North of Centerline | 95.1 | Structural Bedding 02221-2,03B | 128.0 | 1.2 | 141.6 | 95.5 | 90,4 | ad |
| 26 | 08-10-02 | West Side of Pipe, Center of Road | 97.8' | Select Fill 02221- 2.04A | 118.7 | 4.5 | 138.5 | 5.5 | 85,7 | jm |
| 27 | 08-10-02 | West Side of Pipe, 15' North of Center of Road | 97.8' | Select Fill 02221- 2.04A | 122.3 | 4.2 | 138.5 | 5,5 | 88,3 | jm |
| 28 | 08-10-02 | East Side of Pipe, 5' North of Center of Road | 98.47 | Select Fill 02221- 2.04A | 124.0 | 6.2 | 138.5 | \$.5 | 89.6 | jm |
| 29 | 08-10-02 | West Side of Pipe, 5' North of Center of Road | 98.41 | Select Fill 02221- 2.04A | 119.1 | 4.1 | 138.5 | 5.5 | 86.0 | jm |
| 30 | 08-10-02 | East Side of Pipe, Center | 99.0' | Select Fill 02221- 2.04A | 119.1 | 4.4 | 138.5 | 5,5 | 86.0 | jm |
| 31 | 08-10-02 | West Side of Pipe, 12' North of Center of Road | 99' | Select Fill 02221- 2.04A | 130,8 | 6.9 | 138.5 | 5. S | 94.4 | jm |
| 32 | 08-10-02 | West Side of Pipe 10' South of Center of Road | 100.5 | Scleet Fill 02221- 2.04A | 135.3 | 2.9 | 138.5 | 5.5 | 99.8 | jm |

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REMARKS:

Submitted by: Jeffrey Mangini/nmv

KNIGHT CONSULTING ENGINEERS, INC. P.O. BOX 29 WILLISTON, VT 05495-0029

FIELD COMPACTION REPORT

| or I | lect Environ | mental Services, LLC | Projec | t Pine Street Cana | Phase 1 | В | KCE#(| 2340 | , <u>, ,</u> | |
|-------------|-------------------|--|--------------------|----------------------------------|-------------------------------------|----------------------------|------------------------------------|--------------------------|---------------------------|-------------|
| Tosi No. | Date Tested | Logation | Elevation | Soil Description | In-Place Dry Density (pef) | Mojsture Content (%) | Maximum Dry Density (pot) | Optimum Moisture % | Percent Compation % | Int |
| 33 | 08-10-02 | East Side of Pipe, 8' South of Center of Road | 100' | Select Fill 02221- 2.04A | 128.6 | 3,0 | 135.6 | 8,5 | 94.8 | jm |
| 34 | 08-10-02 | Over Pipe, Center | 100, | Select Fill 02221- 2.04A | 124.8 | 3,6 | 135.6 | 8.5 | 90.1 | jm |
| 35 | 08-13-02 | Drop Inlet | 31 | Structural Bodding 0221-2.03B | 119.7 | 3,6 | 141,6 | 9.5 | *84. 5 | ad |
| 36 | Q8-13 - 02 | Retest #35 | 31 | Structural Bedding 0221-2.03B | 128.4 | 1.6 | 141.6 | 9.5 | 90.7 | adi |
| 37 | 08-13-02 | Drop Iniet | 91.5 | Structural Bedding 0221-2.03B | 127.5 | ,08 | 141.6 | 9.5 | 91.3 | ad |
| 38 | 08-13-02 | Drop Inlet | 92 | Structural Bedding 0221-2.03B | 124.5 | 1.8 | 141.6 | 9.5 | 87.8 | ad |
| 39 | 08-13-02 | Drop Inlet | 93 | Structural Bedding 0221-2.03B | 129.5 | 2,0 | 141.6 | 9.5 | 91.5 | ad |
| 40 | 09-04-02 | South End of Road | 101.5' | Road Base 3" Minus 704.06A | 130.9 | 1.3 | 135.6 | 8.5 | 96.6 | jm |
| 41 | 09-04-02 | North End of Road | 101.5 | Road Base 3" Minus 704,06A | 129.8 | 2,7 | 135,6 | 8.5 | 95.7 | jm |
| 42 | 09-04-02 | Gilbane Manhole | 95.01 | Structural Bodding 2221-2.03B | 130.6 | 2,6 | 141.6 | 9.5 | 92.2 | jm |
| 43 | 09-04-02 | Gilbane Manhole | 95.4 | Structural Bedding 2221-2.03B | 132.4 | 1.3 | 141.6 | 9.5 | 93.5 | jm |
| 44 | 09-04-02 | Gilbane Manhole | 95,5' | Structural Bedding 2221-2.03B | 132.2 | 2.I | 141.6 | 9.5 | 93.4 | jm |
| 45 | 10-31-02 | Drop Inlet East Side | Elevation 91+ | Structural Bedding 2221-2.03B | 121.5 | 8.2 | [41.6 | 9.5 | 85.8 | ad |
| 44 | 09-04-02 | Gilbane Manhole | 95.5' | Structural Bedding 2221-2.03B | 132.2 | 2.1 | 141.6 | 9.5 | 93.4 | jm |
| 45 | 10-31-02 | Drop Inlet East Side | Elevation 91+ | Structural Bedding 2221-2.03B | 121.5 | 8.2 | 141.6 | 9.5 | 85.8 | 84 |
| 46 | 10-31-02 | Drop Inlet East Side | Elevation 97+ | Structural Bedding 2221-2.03B | 119.7 | 9.9 | 141.6 | 9.5 | 84.5 | ad |
| 47 | 10-31-02 | Drop Inlet East Side | Elevation 97.5+ | Structural Bodding 2221-2.03B | 121.4 | 4.6 | 141.6 | 9.5 | 85.7 | ad |

One Copy to: Fleet Environmental Services, Rick Ramuglia -781-815-1102; Johnson Company, Dan Maynard - 802-229-5876

REMARKS: *Area to be recompacted & retested

Submitted by:

lan Davis/mov

KNIGHT CONSULTING ENGINEERS, INC. P.O. BOX 29 WILLISTON, VT 05495-0029

FIELD COMPACTION REPORT

| For <u>F</u> | lect Enviror | mental Services LLC | Project | Pine Street Can | al Phase | 1B | KCE#_ | 02340 | | |
|--------------|----------------|---|--------------------|----------------------------------|-------------------------------------|----------------------------|------------------------------------|--------------------------|----------------------------|--------|
| Test No. | Date Tested | Location | Elevatica | Soil Description | In-Place Dry Density (pol) | Moisture Content (%) | Maximum Dry Density (pof) | Optimum Moisture % | Percent Compection % | bril |
| 47 | 10-31-02 | Drop Inlet East Side | Elevation 97.5+ | Structural Bedding 2221-2.03B | 121.4 | 4.6 | 141.6 | 9.5 | 85.7 | ad |
| 48 | 11-07-02 | North Side of Road, Over Pipe, 5' From Edge of Road | 101.04' | Road Base 3" Minus 704,06A | 129.7 | 3.4 | 135.6 | 8,5 | 95.7 | jm. |
| 49 | 11-07-02 | South Side of Road, Over Pipe, 8' From Edge of Road | 101.22* | Road Base 3" Minus 704.06A | 140.2 | 3,7 | 135.6 | 8.5 | 100+ | jm |
| 50 | 11-08-02 | 10° in From North Edge of North Road | 101.24' | Road Base 3" Minus 704,06A | 127.5 | 3.1 | 135.6 | 8,5 | * 94 | क्ष्ये |
| 51 | 11-08-02 | Center of North Road | 101.71 | Road Base 3" Minus 704,06A | 1,27.2 | 3.0 | 135.6 | 8.5 | *93.8 | ad |
| 52 | 11-08-02 | Retest #50 | 101.24* | Road Base 3" Minus 704.06A | 131.7 | 2.9 | 135.6 | 8.5 | 97.1 | ba |
| 53 | 11-08-02 | Retest #51 | 101.71 | Road Base 3" Minus 704.06A | 131.0 | 3.1 | 135,6 | 8.5 | 96,6 | ad |

One Copy to: Fleet Environmental Services, Rick Rattruglia -781-815-1102; Johnson Company, Dan Maynard - 802-229-5876

REMARKS: *Area to be recompacted & retested

Submitted by:_

Alan Davis/mnv